

EPA Registration Number 352-793

FPL reviewed
by E. Hartman
9/28/10

DuPont™ Imprelis™

HERBICIDE

Professional Products

GROUP	4	HERBICIDE
-------	---	-----------

Soluble Liquid

INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY

IMPRELIS™ herbicide provides selective broadleaf weed control in cool season and certain warm season turfgrasses on Lawns (Residential, Industrial and Institutional), Golf Courses, Parks, Cemeteries, Athletic Fields, and Sod Farms.

- Controls major broadleaf weeds including dandelion, clover, plantains, wild violet and ground ivy
- Controls many other important annual and perennial broadleaf weeds
- Low application rates
- Flexible, virtually odorless, non-irritating formulation

Active Ingredient	By Weight
Potassium salt of aminocyclopyrachlor: 6-amino-5-chloro-2-cyclopropyl-4- pyrimidinecarboxylic acid*	25%
Other Ingredients	75%
TOTAL	100%

* Acid equivalent: 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid - 2 pounds acid per gallon or 21.2%.

EPA Reg. No. 352-793 EPA Est. No. _____

[Nonrefillable Container]

Net contents: _____

E. I. du Pont de Nemours and Company
1007 Market Street
Wilmington, Delaware 19898

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing.



The miracles of science™

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Surface water advisory:

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of aminocyclopyrachlor from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Groundwater advisory:

Aminocyclopyrachlor has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read and understand the entire label before using this product.

DuPont™ IMPRELIS™ herbicide must be used only in accordance with directions on this label or in separate DuPont supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label or other labels or bulletins published by DuPont. User assumes all risks associated with such non-specified use.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

This product may be used on sod farms that are covered by the WPS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard.

Do not allow other workers to enter the treated area while application is in progress. Keep pets and unprotected persons out of treated areas until sprays have dried.

PRODUCT INFORMATION

IMPRELIS™ herbicide is a soluble liquid that is mixed in water and applied as a spray. IMPRELIS™ herbicide must only be applied with ground equipment for selective control of broadleaf weeds in turfgrass. IMPRELIS™ herbicide provides preemergence and/or postemergence control of the broadleaf weeds listed on this label. Use postemergence applications when targeting perennial species.

DuPont™ IMPRELIS™ herbicide is registered for use on turfgrasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, parks, playgrounds, schools, day-care facilities, golf courses, athletic fields, other landscaped areas and sod farms.

IMPRELIS™ herbicide is quickly taken up by the leaves, stems and roots of plants. IMPRELIS™ herbicide has excellent soil activity. The effects of IMPRELIS™ herbicide may be seen on weeds from within a few hours to a few days after application. The most noticeable symptom is a bending and twisting of stems and leaves. Other advanced symptoms include severe necrosis, stem thickening, growth stunting, leaf crinkling, calloused stems and leaf veins, leaf-cupping, and enlarged roots. Complete death of the weeds may require four to six weeks.

This product can affect susceptible broadleaf plants directly through application to the foliage, stems and trunks as well as indirectly by root uptake from treated soils. Do not apply this product directly to, or allow spray drift to come in contact with, ornamental groundcovers, foliage plants, flowers, trees, shrubs, nearby crop plants or other desirable plants; or to the soil where potentially sensitive plants will be planted during the same season. Do not exceed specified application rates for any area and particular care must be taken within the dripline of trees and shrubs or other ornamental plants.

IMPRELIS™ herbicide must be mixed with water before application. IMPRELIS™ herbicide is rain-fast immediately after application. Do not apply IMPRELIS™ herbicide directly to water. IMPRELIS™ herbicide is non-volatile and non-corrosive to spray equipment.

Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

TURFGRASS APPLICATION

IMPRELIS™ herbicide may be applied to the following established turfgrass species:

Established Cool Season Turfgrasses

Common Name	Scientific Name
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, Chewing	<i>Festuca rubra commutata</i>
Fescue, Creeping Red	<i>Festuca rubra</i>
Fescue, Sheep	<i>Festuca ovina</i>
Fescue, Tall	<i>Festuca arundinaceae</i>
Ryegrass, Perennial	<i>Lolium perenne</i>

Established Warm Season Turfgrasses^{1,2}

Common Name	Scientific Name
Bahiagrass	<i>Paspalum notatum</i>
Centipede grass ¹	<i>Eremochloa ophiuroides</i>
Zoysiagrass ¹	<i>Zoysia japonica</i>

¹ Do not apply to these turfgrass species unless potential turfgrass injury can be tolerated. When treating these turfgrass species, do not apply more than 3 fluid ounces of IMPRELIS™ herbicide per acre. To minimize the potential for turfgrass injury, a treatment interval of at least 28 days should be used on these species. Avoid swath overlaps.

² Do not treat warm season turfgrasses with IMPRELIS™ herbicide when mowing height is less than 1/2 inch.

³ The use of IMPRELIS™ herbicide in the spring when warm season turfgrass is breaking dormancy may delay green-up of the turfgrass.

Application to Turfgrass Species Not Listed On This Label

Users who wish to use IMPRELIS™ herbicide on a turfgrass species that is not listed on this label may determine the suitability for such uses by treating a small area at a specified application rate. Prior to treatment of larger areas, the treated area should be observed for any signs of herbicidal injury during 30 days of normal growing conditions to determine if the treatment is safe to the target species. The user assumes the responsibility for any plant damage or other liability resulting from use of IMPRELIS™ herbicide on a turfgrass species not listed on this label.

Avoiding Spray Drift

Apply IMPRELIS™ herbicide in a manner that will avoid contacting nearby susceptible crops or other desirable plants with spray droplets. Applications must be made only when the risk of spray drift is at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants including ornamental trees and shrubs. Do not apply when the wind will carry spray mist toward susceptible crops or ornamental plants.

Drift Management Recommendations

Spray drift can be substantially reduced by keeping the spray boom as low to the ground as possible; by applying no less than 20 gallons of spray solution per acre (except when using Low Volume Applications – see below); by using the manufacturer's minimum recommended spray pressures for the specific nozzle type selected; and by making applications when the wind velocity is low (follow state regulations). For hand-gun applications, use the minimum pressure that is required to obtain adequate coverage without forming a mist.

TABLE 1: TURF APPLICATION RATES AND WEEDS CONTROLLED

Target Weed	Scientific Name	Footnote	Product per Acre	Product per 1,000 Square Feet	Pounds Acid Equivalent per Acre
Black Medic	<i>Medicago lupulina</i>				
Brazilian Catsear	<i>Hypochoeris brazil</i>				
Carolina Geranium	<i>Geranium carolinianum</i>				
Cinquefoil	<i>Potentilla simplex</i>				
Clover, Hop	<i>Trifolium aureum</i>				
Clover, Large Hop	<i>Trifolium campestre</i>				
Clover, Small Hop	<i>Trifolium dubium</i>				
Clover, White	<i>Trifolium repens</i>				
Common Vetch	<i>Vicia sativa</i>				
Cudweed, Narrowleaf	<i>Gnaphalium falcatum</i>				
Cudweed, Purple	<i>Gnaphalium purpureum</i>		3.0 fl. oz. (88.7 ml)	0.069 fl. oz. (2 ml)	0.047 lb ae
Curly Dock	<i>Rumex crispus</i>				
Dollarweed	<i>Hydrocotyle spp.</i>				
Facelis	<i>Facelis retusa</i>				
Field Pansy	<i>Viola arvensis</i>				
Florida Betony	<i>Stachys floridana</i>				
Goldenrod	<i>Solidago sp.</i>				
Ground Ivy	<i>Glechoma hederacea</i>				
Lawn Pennywort	<i>Hydrocotyle sibthorpioides</i>				
Lespedeza, Common	<i>Lespedeza striata</i>				
Matchweed (Mat Lappia)	<i>Phyla nodiflora</i>				
Moneywort	<i>Lysimachia nummularia</i>				
Stillgrass, Japanese	<i>Microstegium vimineum</i>				
Annual Blue-eyed Grass	<i>Sisyrinchium roslatum</i>				
Canada Thistle	<i>Cirsium arvense</i>				
Chamberbitter	<i>Phyllanthus urinaria</i>				
Chickweed, Common	<i>Stellaria media</i>				
Chickweed, Mouseear	<i>Cerastium vulgatum</i>	1			
Dandelion	<i>Taraxacum officinale</i>				
Dandelion, Catsear	<i>Hypochoeris radicata</i>				
Dichondra	<i>Dichondra sp.</i>				
Dogfennel	<i>Eupatorium capillifolium</i>				
Dollarweed	<i>Hydrocotyle spp.</i>				
Florida Pusley	<i>Richardia scabra</i>	2	4.5 fl. oz. (133.1 ml)	0.1 fl. oz. (3 ml)	0.07 lbs ae
Hairy Bittercress	<i>Cardamine hirsuta</i>				
Henbit	<i>Lamium amplexicaule</i>				
Knawel	<i>Scleranthus annuus</i>				
Lawn Burweed	<i>Soliva pterosperma</i>				
Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>				
Plantain, Broadleaf	<i>Plantago major</i>				
Plantain, Buckhorn	<i>Plantago lanceolata</i>				
Poison Ivy	<i>Toxicodendron radicans</i>				
Purple Deadnettle	<i>Lamium purpureum</i>				
Purslane, Common	<i>Portulaca oleracea</i>				
Purslane, Pink	<i>Portulaca pilosa</i>				
Speedwell, Corn	<i>Veronica arvensis</i>	1			
Spotted Spurge	<i>Euphorbia maculata</i>	1			
Violet, Wild	<i>Viola sp.</i>				
Virginia Buttonweed	<i>Diodia virginiana</i>	1,3			

Footnote 1: Sequential applications using a 4 to 6 week interval may be required to adequately control this weed.

Footnote 2: Sequential applications using a 4 to 6 week interval are required to adequately control this weed.

Footnote 3: Early season applications perform best. Treatments applied after flowering may require a second application.

TABLE 2: TURF APPLICATION MIXING CHART

Application Volume		Turf Application Rates			Fluid ounces of DuPont™ IMPRELIS™ herbicide diluted to these volumes of finished spray			
Gallons per 1,000 Square Feet	Gallons per Acre	Product per Acre	Product per 1,000 Square Feet	Pounds Acid Equivalent per Acre	1 gallon	10 gallons	50 gallons	100 gallons
0.5	21.78	3 fl oz.	0.069 fl oz.	0.047	0.138	1.38	6.90	13.80
		6 fl oz.	0.138 fl oz.	0.094	0.276	2.76	13.80	27.60
1	43.56	3 fl oz.	0.069 fl oz.	0.047	0.069	0.69	3.45	6.90
		6 fl oz.	0.138 fl oz.	0.094	0.138	1.38	6.90	13.80
2	87.12	3 fl oz.	0.069 fl oz.	0.047	NA	0.35	1.73	3.45
		6 fl oz.	0.138 fl oz.	0.094	NA	0.69	3.45	6.90
3	130.68	3 fl oz.	0.069 fl oz.	0.047	NA	0.23	1.15	2.30
		6 fl oz.	0.138 fl oz.	0.094	NA	0.46	2.30	4.60
4	174.24	3 fl oz.	0.069 fl oz.	0.047	NA	0.17	0.86	1.73
		6 fl oz.	0.138 fl oz.	0.094	NA	0.35	1.73	3.45
5	217.80	3 fl oz.	0.069 fl oz.	0.047	NA	0.14	0.69	1.38
		6 fl oz.	0.138 fl oz.	0.094	NA	0.28	1.38	2.76

Note: To convert fl. oz. to ml multiply by 29.57

APPLICATION RATES FOR LAWNS, GOLF COURSES AND OTHER TURFGRASS AREAS

Apply 3 to 4.5 fluid ounces of DuPont™ IMPRELIS™ herbicide per acre in sufficient water to provide thorough coverage of the treated area. Use properly calibrated application equipment that will produce a uniform, coarse droplet spray (>250 microns) as defined by ASABE S572 standard, using a low pressure setting to help eliminate off target drift. Do not apply more than 18 fluid ounces of IMPRELIS™ herbicide (0.28 lbs ae/A) per acre per year in broadcast applications to turfgrass.

On cool season turfgrasses, including Kentucky bluegrass, perennial ryegrass, tall fescue and fine fescue, when applications will not be made within 5 feet of ornamental groundcovers, foliage plants, flowers, trees, shrubs or other desirable plants, IMPRELIS™ herbicide may be applied at 6 fluid ounces of product per acre.

Avoid overlapping of the spray pattern, which could result in higher than directed application rates. Application rates above those directed on this label could result in turf injury.

Application Restrictions for Sod Farms and Turf (Except Residential, Institutional, or Industrial)

Maintain a 25-foot buffer around non-target aquatic areas and between the point of direct application and the closest downwind edge of non-target terrestrial areas. Apply only using nozzles which will deliver coarse or greater (VMD >250 microns) droplets as defined by ASABE S572 standard. Do not apply with a nozzle height greater than 4 feet above the ground or crop canopy. Do not apply when wind speed is greater than 10 mph. Do not apply during a temperature inversion.

Standard Broadcast Application

Apply 3 to 4.5 fluid ounces of IMPRELIS™ herbicide per acre in sufficient water to deliver from 0.5 to 5 gallons of spray solution per 1,000 square feet (21.78 to 217.8 gallons per acre). Higher application volumes may be used when IMPRELIS™ herbicide is tank-mixed with liquid fertilizers.

Low Volume Application

Apply 3 to 4.5 fluid ounces of IMPRELIS™ herbicide per acre in sufficient water to deliver from 1/8 to 1/2 gallons of spray solution per 1,000 square feet (5.5 to 21.78 gallons per acre). Use low pressures and application equipment capable of delivering a uniform droplet size that can adequately wet the weed leaf surface. Do not use Ultra Low Volume (ULV) application equipment.

Spot Treatment Using Portable Sprayers

Mix 0.069-0.1 fl. oz. (2 to 3 ml) of IMPRELIS™ herbicide in 1 gallon of water and apply to broadleaf weeds by wetting the foliage to point of runoff. One gallon of spray solution will treat approximately 1,000 square feet of turfgrass.

Newly Seeded Turfgrass

IMPRELIS™ herbicide is an effective herbicide for broadleaf weed control immediately prior to or after seeding of cool season turfgrasses (except bentgrass) during turf renovations. IMPRELIS™ herbicide will control many broadleaf weeds that compete with and slow the establishment of cool season turfgrass stands. Apply 3 to 4.5 fluid ounces of IMPRELIS™ herbicide per acre in sufficient

water to deliver from 0.5 to 5 gallons of spray solution per 1,000 square feet (21.78 to 217.8 gallons per acre). Apply at grass seeding for best performance. IMPRELIS™ herbicide may be applied to seedling cool season turfgrasses at any time after germination.

APPLICATION EQUIPMENT

Application equipment must be clean and free from previous pesticide deposits before mixing IMPRELIS™ herbicide.

Mixing Directions:

1. Use clean, well maintained and properly calibrated application equipment.
2. Fill sprayer tank 1/4 to 1/2 full of water.
3. Start mechanical or hydraulic agitation. Do not use air agitation.
4. Add IMPRELIS™ herbicide directly to the sprayer tank.
5. Mix thoroughly to fully disperse IMPRELIS™ herbicide and continue agitation to keep the product in suspension.
6. Add the remaining volume of water required for application.

TANK-MIXTURES

Tank-mixtures with other pesticides and liquid fertilizers:

IMPRELIS™ herbicide may be tank-mixed with other pesticides and liquid fertilizers (including liquid iron products). Perform a small scale compatibility test prior to mixing products in the spray tank of application equipment. When tank-mixing IMPRELIS™ herbicide, observe all precautions and limitations on each product label. Do not exceed any label application rates. IMPRELIS™ herbicide must not be tank-mixed with any product containing a label prohibition against such mixing. All State and Federal regulations relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed. The physical compatibility of IMPRELIS™ herbicide will vary with different sources of other pesticide and liquid fertilizer products as well as local cultural practices. For a tank-mixture test, prepare the desired mixture on a small scale (pint or quart jar) using the proper proportions of pesticides and/or fertilizers and water to ensure the physical compatibility of the mixture. Add water and the desired products to the jar following the sequence listed below. Then close the jar, shake it well and observe the mixture for several seconds. Check the mixture again after 30 minutes. If the mixture shows no signs of separating, thickening, forming a gel or foaming excessively, then the combination may be used.

Tank-mixing Sequence:

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water soluble bags
2. Water dispersible granules
3. Wettable powders
4. Water-based suspension concentrates (Flowables)
5. IMPRELIS™ herbicide and other water soluble concentrates

6. Oil-based suspension concentrates (Flowables)
7. Emulsifiable concentrates
8. Adjuvants, surfactants and oils
9. Soluble fertilizers
10. Drift retardants

Turfgrass tolerance to tank-mixtures:

Certain turfgrass species or varieties may be sensitive to tank-mixtures of herbicides with other pesticides and/or liquid fertilizers. If local experience is not available, then a small area of the turfgrass in question should be treated with the tank-mixture and observed for injury during 30 days of normal growing conditions to determine if the treatment is safe before making widespread applications to the target species/variety.

APPLICATION EQUIPMENT CLEANING

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, booms and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

RESISTANCE MANAGEMENT

When herbicides that affect the same physiological site of action are used repeatedly over several years to control the same weed species in the same location, naturally-occurring resistant biotypes may survive a properly applied herbicide treatment, propagate, and become predominant in that location. Adequate control of these resistant weed biotypes cannot be expected from herbicides that target the same site of action. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product that affects a different site of action. To manage herbicide resistance, it may be necessary to tank-mix this product and/or make sequential applications with herbicides that have a different site of action. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding herbicide resistance management.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, chemical and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor to determine appropriate action threshold levels for specific weeds in your area.

RESTRICTIONS

- Do not formulate this product into other end-use products without written permission from DuPont Professional Products.
- Do not apply this product through any type of irrigation system.
- Do not apply this product with aerial application equipment.
- Do not apply this product in commercial nurseries or greenhouses.
- Do not apply more than 18 fluid ounces of DuPont™ IMPRELIS™ herbicide (equivalent to 0.28 lb ae) per acre per year in broadcast applications to turfgrass.
- Keep people and pets away from treated area until treatment has dried.
- Wait a minimum of 14 days to retreat.
- Do not apply this product to exposed roots of trees and shrubs.
- Do not apply to any ornamental bed.
- Do not apply this product directly to, or allow spray drift to come in contact with, ornamental groundcovers, foliage plants, flowers, trees, shrubs, nearby crop plants or other desirable plants; or to the soil where potentially sensitive plants will be planted during the same season.
- Do not exceed specified application rates for any area and particular care must be taken within the dripline of trees and shrubs or other ornamental plants.
- Do not apply where runoff or irrigation water may flow onto susceptible turfgrass, ornamental plants or crops as injury may result.
- Do not apply with a mist blower.
- Do not pour spray solutions near desirable plants.
- Do not use this product on golf course putting greens.
- Do not use grass clippings from treated areas for mulching or compost, or allow for collection to composting facilities. Grass clippings must either be left on the treated area, or, if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clippings from treated turf for mulch or compost.
- Do not seed, sod, sprig, or plug treated area with warm season turfgrasses until at least 60 days after application.
- Do not apply to irrigation ditches or water used for irrigation or domestic purposes.
- Do not graze or feed forage, hay, or straw from treated areas to livestock.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32° F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Refillable Container" or "Nonrefillable Container" designation.

For Small (Capacity Equal to or Less Than 5 Gallons) Nonrefillable Plastic Containers:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Large (Capacity Greater Than 5 Gallons)

Nonrefillable Plastic Containers: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Large (Capacity Greater Than 5 Gallons)

Nonrefillable Metal Containers: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

NOTICE TO BUYER— Purchase of this material does not confer any rights under patents of countries outside of the United States. The DuPont Oval Logo and DuPont™ are trademarks of E. I. du Pont de Nemours and Company.

SL - 1390A 091510 08-31-10

LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont or Seller. These risks can cause: ineffectiveness of the product, crop injury, injury to non-target crops or plants, or other unintended consequences. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHER LEGAL THEORY) RESULTING FROM THE STORAGE, USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, DuPont or its distributor must have prompt notice of any claim so that an immediate investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify DuPont or a DuPont distributor of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT (1-888-638-7668)

© 2010 E.I. DuPont de Nemours and Company, 1007 Market Street, Wilmington, Delaware 19898

All rights reserved.



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

Sent Via Federal Express

September 15, 2010

Document Processing Desk
Office of Pesticide Programs, Registration Division (7504P)
U.S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Attn: James Tompkins, PM Team 25

***Subject: Submission of Final Printed Labeling for DuPont™ Imprelis™ Herbicide
EPA Reg. No. 352-793
Per Agency Letter Dated August 31, 2010 and updated Confidential Statement of
Formula with EPA Reg. No.***

Dear Mr. Tompkins:

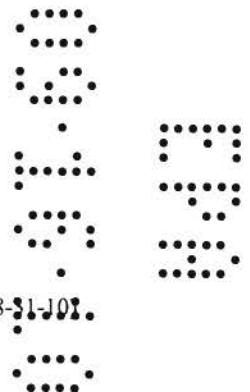
Enclosed please find an EPA Form 8570-1, two (2) copies of final printed labeling for DuPont™ Imprelis™ Herbicide (EPA Reg. No. 352-793; SL-1390A 091510 08-31-10) as per the Agency's letter dated August 31, 2010. Also, enclosed is an updated Confidential Statement of Formula which list the EPA Registration Number.

If you have any questions, please contact me at 302-366-6074 or by email at Tamika.N.Davis-Cannon@usa.dupont.com or Tim K. Theodorakis at 302-366-5965 or by e-mail at Tim.K.Theodorakis@usa.dupont.com.

Sincerely,

Tamika Davis-Cannon
Professional Products Registration
DuPont Professional Products

Label Code: (SL-1390A 091510 08-31-10)





United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 352-793	2. EPA Product Manager James Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DuPont™ Imprelis™ Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) DuPont Crop Protection Stine-Haskell Research Center P.O. Box 30 Newark, DE 19714-0030 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated August 31, 2010
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of Final printed labeling for DuPont™ Imprelis™ Herbicide Label Code: (SL-1390A 091510 08-31-10).

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Tamika N. Davis-Cannon	Title Product Registrations Specialist	Telephone No. (Include Area Code) 302-366-6074
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Product Registrations Specialist	
4. Typed Name Tamika N. Davis-Cannon	5. Date 09-15-2010	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Tamika Davis-Cannon
E.I. du Pont de Nemours and Company
1007 Market Street
Wilmington, DE 19898

OCT 20 2010

Subject: Voluntary Child-Resistant Packaging Certification
DuPont Imprelis Herbicide
EPA Reg. No. 352-793
Submission Dated September 3, 2010

Dear Ms. Davis-Cannon:

The voluntary child-resistant packaging (CRP) certification for the 2 1/2 gallon size for the above product has been reviewed and is acceptable regarding compliance with the standards of 40 CFR §157.32.

Sincerely,

Mindy Onders for

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 18, 2010

NOTE TO RM 25 Mindy Ondish

SUBJECT: Certification to Compliance with Child-Resistant Packaging Regulations
EPA FILE NO: 352-793 DP 382402, Decision # 440127

Please note that EPA FILE NO: 352-793 certification for the two and a half (2.5) gallon size regarding voluntary child-resistant packaging (CRP) has been reviewed **and is acceptable** regarding compliance with the standards of 40 CFR 157.32. The registrant indicated the CRP being used.

Please place a copy of this note in the registration jacket for the above named product. Please advise the registrant that this **CRP certification is acceptable**. If you have any questions please contact me at (703)-308-7368.

A handwritten signature in black ink, reading "Rosalind L. Gross". The signature is written in a cursive, flowing style.

Rosalind L. Gross



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

Sent FedEx

September 3, 2010

Document Processing Desk
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard, Room S-4900, 4th Floor
2777 S. Crystal Drive
Arlington, VA 22202

Att: James Tompkins, Product Manager Team 25

**RE: DuPont™ Imprelis™ Herbicide
EPA Reg. No. 352-793
Child Resistant Packaging Certification Statement**

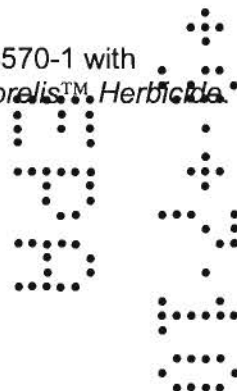
Dear Mr. Tompkins:

E.I. du Pont de Nemours and Company ("DuPont") would like to voluntarily package and sell the above referenced product in a new container that meets Child- Resistant Packaging (CRP) requirements. Although this product does not trigger the CRP acute toxicity criteria, as described in the Federal Insecticide, Fungicide and Rodenticide (FIFRA) section 25(c)(3) and 40 CFR 157 subpart B, DuPont is voluntarily using child-resistant packaging whenever possible for products such as *DuPont Imprelis™ Herbicide* (Imprelis) to help promote product stewardship.

Imprelis™ will be package in a rigid High Density Polyethylene (HDPE) container that will contain 2-1/2 gallons of the soluble concentrate formulation. The manufacturer for this HDPE container is Lee Container. The closure to be used with the 2-1/2 gallon plastic container is an ASTM Type IB, the DOT Series DCR closure which is manufactured by Rexam Closures and Containers.

In accordance with 40 CFR 157.34 (a)(b) and EPA PR Notice 96-2 for voluntary use of CRP, DuPont hereby submits a CRP certification statement. This certification is based on test data results provided by Rexam. Please note that according to copies of the CRP test reports provided by Rexam, the tests were conducted using one gallon HDPE containers with the DOT Series DCR closure.

Also, enclosed is a completed EPA Registration Application Form 8570-1 with information concerning the CRP packaging that will be used for *DuPont Imprelis™ Herbicide*.



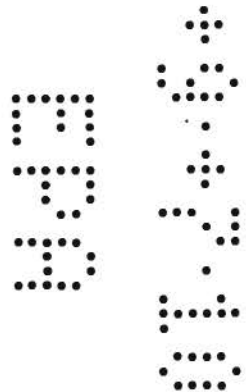
If you need additional information or have any questions concerning this CRP certification, please contact me at 302-366-6074 or at Tamika.N.Davis-Cannon@usa.dupont.com.

Sincerely,



Tamika Davis-Cannon
Product Registrations Specialist, Professional Products

Encl.





DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

40 CFR 157.34 Certification Statement

Primary Brand Name: DuPont™ Imprelis™ Herbicide
EPA Reg. No. 352-793

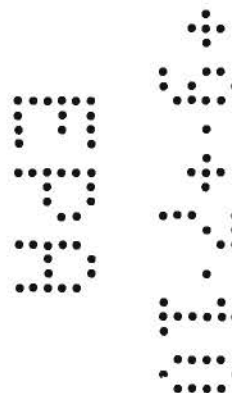
I certify that the packaging used for this product meets the standards of 40 CFR 157.32, including the standards in 16 CFR 1700.15(b), when tested by the revised testing procedures in 16 CFR 1700.20, as published 60 FR 37710 (July 21, 1995).

9-3-10

S. K. Theodorakis

Date

Product Registrations Manager, Professional Products





United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 352-793	2. EPA Product Manager James Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DuPont Imprelis Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) DuPont Crop Protection Stine-Haskell Research Center P.O. Box 30 Newark, DE 19714-0030 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of 40 CFR 157.34 certification for voluntary use of child resistant packaging that consists of:
- ASTM Type IB closure the DOT Series DCR manufactured by Rexam Closures & Containers
- white 2-1/2 gallon HDPE plastic container manufactured by Lee Container

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 2-1/2 gallon		5. Location of Label Directions <input checked="" type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Tamika Davis-Cannon		Title Product Registrations Specialist		Telephone No. (Include Area Code) 302-366-6072	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Product Registrations Specialist			
4. Typed Name Tamika Davis-Cannon		5. Date 09-03-2010			



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

352-793

Date of Issuance:

AUG 31 2010

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

DuPont Imprelis Herbicide

Name and Address of Registrant (include ZIP Code):

E.I. du Pont de Nemours and Company
1007 Market Street
Wilmington, DE 19898

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA provided that you:

1. Submit and/or cite all data required for registration review of your product when the Agency requires all registrants of similar products to submit data.
2. Submit the following product chemistry studies within **one (1) year** from the date of this notice:
 - a. Guideline 830.6317: Storage Stability
 - b. Guideline 830.6320: Corrosion Characteristics
3. Submit the required data as stated in items 2-4 on the technical chemical registrations for DuPont Aminocyclopyrachlor Technical (Reg. No. 352-782) and DuPont Aminocyclopyrachlor Methyl Technical (Reg. No. 352-783).
4. Make the following changes to the label:
 - a. On page 1 under PPE, change "Mixers and loaders must wear" to "Applicators and other handlers must wear". Remove the text "Applicators: After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE)."
 - b. On page 2 under ENVIRONMENTAL HAZARDS, change the sentence to read "Do not contaminate water when disposing of equipment washwaters or rinsate."

Continued on Page 2

Signature of Approving Official:

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Date:

AUG 31 2010

- c. On page 3, remove the statement "IMPRELIS herbicide may be applied up to the edge of water bodies, including streams, lakes, ponds, etc."
- d. On page 6, change the heading from "Application Restrictions for Sod Farms" to "Application Restrictions for Sod Farms and Turf (except residential, institutional, or industrial)"
- e. On page 7 under RESTRICTIONS, change the 16th bullet to read "Do not use grass clippings from treated areas for mulch or compost, or allow for collection to composting facilities. Grass clippings must either be left on the treated area, or if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clipping from treated turf for mulch or compost."
- f. On page 8 under For All Other Refillable Containers, change the section of text to read "Refillable container. Refill this container with DuPont IMPRELIS containing aminocyclopyrachlor potassium salt only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the disposing of the container...Repeat this rinsing procedure two more times. Then offer the container for recycling if available or dispose of container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. Prior to refilling, inspect carefully for damage..."

The basic confidential statement of formula (CSF) dated January 7, 2010 is acceptable.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the revised final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this notice or the next printing of the label, whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 31 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

352-793

DuPont™ Imprelis™

HERBICIDE

Professional Products

GROUP	4	HERBICIDE
-------	---	-----------

Soluble Liquid

INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY

IMPRELIS™ herbicide provides selective broadleaf weed control in cool season and certain warm season turfgrasses on Lawns (Residential, Industrial and Institutional), Golf Courses, Parks, Cemeteries, Athletic Fields, and Sod Farms.

- Controls major broadleaf weeds including dandelion, clover, plantains, wild violet and ground ivy

- Controls many other important annual and perennial broadleaf weeds

- Low application rates

- Flexible, virtually odorless, non-irritating formulation

Active Ingredient By Weight

Potassium salt of aminocyclopyrachlor:	
6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid*	25%

Other Ingredients	75%
-------------------	-----

TOTAL	100%
-------	------

* Acid equivalent: 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid - 2 pounds acid per gallon or 21.2%.

EPA Reg. No. 352-793 EPA Est. No. _____

[Refillable Container]

Or

[Nonrefillable Container]

Net contents: _____

E. I. du Pont de Nemours and Company

1007 Market Street

Wilmington, Delaware 19898

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers and loaders must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

Applicators: After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.



The miracles of science™

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinsate.

Surface water advisory:

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of aminocyclopyrachlor from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Groundwater advisory:

Aminocyclopyrachlor has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read and understand the entire label before using this product.

DuPont™ IMPRELIS™ herbicide must be used only in accordance with directions on this label or in separate DuPont supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label or other labels or bulletins published by DuPont. User assumes all risks associated with such non-specified use.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

This product may be used on sod farms that are covered by the WPS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard.

Do not allow other workers to enter the treated area while application is in progress. Keep pets and unprotected persons out of treated areas until sprays have dried.

PRODUCT INFORMATION

IMPRELIS™ herbicide is a soluble liquid that is mixed in water and applied as a spray. IMPRELIS™ herbicide must only be applied with ground equipment for selective control of broadleaf weeds in turfgrass. IMPRELIS™ herbicide provides preemergence and/or postemergence control of the broadleaf weeds listed on this label. Use postemergence applications when targeting perennial species.

DuPont™ IMPRELIS™ herbicide is registered for use on turfgrasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, parks, playgrounds, schools, day-care facilities, golf courses, athletic fields, other landscaped areas and sod farms.

IMPRELIS™ herbicide is quickly taken up by the leaves, stems and roots of plants. IMPRELIS™ herbicide has excellent soil activity. The effects of IMPRELIS™ herbicide may be seen on weeds from within a few hours to a few days after application. The most noticeable symptom is a bending and twisting of stems and leaves. Other advanced symptoms include severe necrosis, stem thickening, growth stunting, leaf crinkling, calloused stems and leaf veins, leaf-cupping, and enlarged roots. Complete death of the weeds may require four to six weeks.

This product can affect susceptible broadleaf plants directly through application to the foliage, stems and trunks as well as indirectly by root uptake from treated soils. Do not apply this product directly to, or allow spray drift to come in contact with, ornamental groundcovers, foliage plants, flowers, trees, shrubs, nearby crop plants or other desirable plants; or to the soil where potentially sensitive plants will be planted during the same season. Do not exceed specified application rates for any area and particular care must be taken within the dripline of trees and shrubs or other ornamental plants.

IMPRELIS™ herbicide must be mixed with water before application. IMPRELIS™ herbicide is rain-fast immediately after application. IMPRELIS™ herbicide may be applied up to the edge of water bodies, including streams, lakes, ponds, etc. Do not apply IMPRELIS™ herbicide directly to water. IMPRELIS™ herbicide is non-volatile and non-corrosive to spray equipment.

Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

TURFGRASS APPLICATION

IMPRELIS™ herbicide may be applied to the following established turfgrass species:

Established Cool Season Turfgrasses

Common Name	Scientific Name
Bentgrass ^{1,2}	<i>Agrostis spp.</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, Chewing	<i>Festuca rubra commutata</i>
Fescue, Creeping Red	<i>Festuca rubra</i>
Fescue, Sheep	<i>Festuca ovina</i>
Fescue, Tall	<i>Festuca arundinaceae</i>
Ryegrass, Perennial	<i>Lolium perenne</i>

Established Warm Season Turfgrasses^{3,4}

Common Name	Scientific Name
Bahiagrass	<i>Paspalum notatum</i>
Centipede grass ¹	<i>Eremochloa ophiuroides</i>
Zoysiagrass ¹	<i>Zoysia japonica</i>

Do not apply to these turfgrass species unless potential turfgrass injury can be tolerated. When treating these turfgrass species, do not apply more than 3 fluid ounces of IMPRELIS™ herbicide per acre. To minimize the potential for turfgrass injury, a treatment interval of at least 28 days should be used on these species. Avoid swath overlaps.

² Do not apply IMPRELIS™ herbicide to golf course greens.

³ Do not treat warm season turfgrasses with IMPRELIS™ herbicide when mowing height is less than 1/2 inch.

⁴ The use of IMPRELIS™ herbicide in the spring when warm season turfgrass is breaking dormancy may delay green-up of the turfgrass.

Application to Turfgrass Species Not Listed On This Label

Users who wish to use IMPRELIS™ herbicide on a turfgrass species that is not listed on this label may determine the suitability for such uses by treating a small area at a specified application rate. Prior to treatment of larger areas, the treated area should be observed for any signs of herbicidal injury during 30 days of normal growing conditions to determine if the treatment is safe to the target species. The user assumes the responsibility for any plant damage or other liability resulting from use of IMPRELIS™ herbicide on a turfgrass species not listed on this label.

Avoiding Spray Drift

Apply IMPRELIS™ herbicide in a manner that will avoid contacting nearby susceptible crops or other desirable plants with spray droplets. Applications must be made only when the risk of spray drift is at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants including ornamental trees and shrubs. Do not apply when the wind will carry spray mist toward susceptible crops or ornamental plants.

Drift Management Recommendations

Spray drift can be substantially reduced by keeping the spray boom as low to the ground as possible; by applying no less than 20 gallons of spray solution per acre (except when using Low Volume Applications – see below); by using the manufacturer's minimum recommended spray pressures for the specific nozzle type selected; and by making applications when the wind velocity is low (follow state regulations). For hand-gun applications, use the minimum pressure that is required to obtain adequate coverage without forming a mist.

TABLE 1: TURF APPLICATION RATES AND WEEDS CONTROLLED

Target Weed	Scientific Name	Footnote	Product per Acre	Product per 1,000 Square Feet	Pounds Acid Equivalent per Acre
Black Medic	<i>Medicago lupulina</i>				
Brazilian Catsear	<i>Hypochoeris brazil</i>				
Carolina Geranium	<i>Geranium carolinianum</i>				
Cinquefoil	<i>Potentilla simplex</i>				
Clover, Hop	<i>Trifolium aureum</i>				
Clover, Large Hop	<i>Trifolium campestre</i>				
Clover, Small Hop	<i>Trifolium dubium</i>				
Clover, White	<i>Trifolium repens</i>				
Common Vetch	<i>Vicia sativa</i>				
Cudweed, Narrowleaf	<i>Gnaphalium falcatum</i>				
Cudweed, Purple	<i>Gnaphalium purpureum</i>		3.0 fl. oz. (88.7 ml)	0.069 fl. oz. (2 ml)	0.047 lb ac
Curly Dock	<i>Rumex crispus</i>				
Dollarweed	<i>Hydrocotyle spp.</i>				
Facelis	<i>Facelis retusa</i>				
Field Pansy	<i>Viola arvensis</i>				
Florida Betony	<i>Stachys floridana</i>				
Goldenrod	<i>Solidago sp.</i>				
Ground Ivy	<i>Glechoma hederacea</i>				
Lawn Pennywort	<i>Hydrocotyle sibthorpioides</i>				
Lespedeza, Common	<i>Lespedeza striata</i>				
Matchweed (Mat Lappia)	<i>Phyla nodiflora</i>				
Moneywort	<i>Lysimachia nummularia</i>				
Stillgrass, Japanese	<i>Microstegium vimineum</i>				
Annual Blueeyedgrass	<i>Sisyrinchium rosulatum</i>				
Canada Thistle	<i>Cirsium arvense</i>				
Chamberbitter	<i>Phyllanthus urinaria</i>				
Chickweed, Common	<i>Stellaria media</i>	1			
Chickweed, Mouseear	<i>Cerastium vulgatum</i>				
Dandelion	<i>Taraxacum officinale</i>				
Dandelion, Catsear	<i>Hypochoeris radicata</i>				
Dichondra	<i>Dichondra sp.</i>				
Dogfennel	<i>Eupatorium capillifolium</i>				
Dollarweed	<i>Hydrocotyle spp.</i>				
Florida Pusley	<i>Richardia scabra</i>	2	4.5 fl. oz. (133.1 ml)	0.1 fl. oz. (3 ml)	0.07 lbs ac
Hairy Bittercress	<i>Cardamine hirsuta</i>				
Henbit	<i>Lamium amplexicaule</i>				
Knawel	<i>Scleranthus annuus</i>				
Lawn Burweed	<i>Soliva pterosperma</i>				
Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>				
Plantain, Broadleaf	<i>Plantago major</i>				
Plantain, Buckhorn	<i>Plantago lanceolata</i>				
Poison Ivy	<i>Toxicodendron radicans</i>				
Purple Deadnettle	<i>Lamium purpureum</i>				
Purslane, Common	<i>Portulaca oleracea</i>				
Purslane, Pink	<i>Portulaca pilosa</i>				
Speedwell, Corn	<i>Veronica arvensis</i>	1			
Spotted Spurge	<i>Euphorbia maculata</i>	1			
Violet, Wild	<i>Viola sp.</i>				
Virginia Buttonweed	<i>Diodes virginiana</i>	1,3			

Footnote 1: Sequential applications using a 4 to 6 week interval may be required to adequately control this weed.

Footnote 2: Sequential applications using a 4 to 6 week interval are required to adequately control this weed.

Footnote 3: Early season applications perform best. Treatments applied after flowering may require a second application.

TABLE 2: TURF APPLICATION MIXING CHART

Application Volume		Turf Application Rates			Fluid ounces of DuPont™ IMPRELIS™ herbicide diluted to these volumes of finished spray			
Gallons per 1,000 Square Feet	Gallons per Acre	Product per Acre	Product per 1,000 Square Feet	Pounds Acid Equivalent per Acre				
0.5	21.78	3 fl oz.	0.069 fl oz.	0.047	0.138	1.38	6.90	13.80
		4.5 fl oz.	0.103 fl oz.	0.07	0.206	2.06	10.30	20.60
		6 fl oz.	0.138 fl oz.	0.094	0.276	2.76	13.80	27.60
1	43.56	3 fl oz.	0.069 fl oz.	0.047	0.069	0.69	3.45	6.90
		4.5 fl oz.	0.103 fl oz.	0.07	0.103	1.03	5.15	10.30
		6 fl oz.	0.138 fl oz.	0.094	0.138	1.38	6.90	13.80
2	87.12	3 fl oz.	0.069 fl oz.	0.047	NA	0.35	1.73	3.45
		4.5 fl oz.	0.103 fl oz.	0.07	NA	0.52	2.58	5.15
		6 fl oz.	0.138 fl oz.	0.094	NA	0.69	3.45	6.90
3	130.68	3 fl oz.	0.069 fl oz.	0.047	NA	0.23	1.15	2.30
		4.5 fl oz.	0.103 fl oz.	0.07	NA	0.34	1.72	3.43
		6 fl oz.	0.138 fl oz.	0.094	NA	0.46	2.30	4.60
4	174.24	3 fl oz.	0.069 fl oz.	0.047	NA	0.17	0.86	1.73
		4.5 fl oz.	0.103 fl oz.	0.07	NA	0.26	1.29	2.58
		6 fl oz.	0.138 fl oz.	0.094	NA	0.35	1.73	3.45
5	217.80	3 fl oz.	0.069 fl oz.	0.047	NA	0.14	0.69	1.38
		4.5 fl oz.	0.103 fl oz.	0.07	NA	0.21	1.03	2.06
		6 fl oz.	0.138 fl oz.	0.094	NA	0.28	1.38	2.76

Note: To convert fl. oz. to ml multiply by 29.57

APPLICATION RATES FOR LAWNS, GOLF COURSES AND OTHER TURFGRASS AREAS

Apply 3 to 4.5 fluid ounces of DuPont™ IMPRELIS™ herbicide per acre in sufficient water to provide thorough coverage of the treated area. Use properly calibrated application equipment that will produce a uniform, coarse droplet spray (>250 microns) as defined by ASABE S572 standard, using a low pressure setting to help eliminate off target drift. Do not apply more than 18 fluid ounces of IMPRELIS™ herbicide (0.28 lbs ae/A) per acre per year in broadcast applications to turfgrass.

On cool season turfgrasses, including Kentucky bluegrass, perennial ryegrass, tall fescue and fine fescue, when applications will not be made within 5 feet of ornamental groundcovers, foliage plants, flowers, trees, shrubs or other desirable plants, IMPRELIS™ herbicide may be applied at 6 fluid ounces of product per acre.

Avoid overlapping of the spray pattern, which could result in higher than directed application rates. Application rates above those directed on this label could result in turf injury.

Application Restrictions for Sod Farms

Maintain a 25-foot buffer around non-target aquatic areas and between the point of direct application and the closest downwind edge of non-target terrestrial areas. Apply only using nozzles which will deliver coarse or greater (VMD >250 microns) droplets as defined by ASABE S572 standard. Do not apply with a nozzle height greater than 4 feet above the ground or crop canopy. Do not apply when wind speed is greater than 10 mph. Do not apply during a temperature inversion.

Standard Broadcast Application

Apply 3 to 4.5 fluid ounces of IMPRELIS™ herbicide in sufficient water to deliver from 0.5 to 5 gallons of spray solution per 1,000 square feet (21.78 to 217.8 gallons per acre). Higher application volumes may be used when IMPRELIS™ herbicide is tank-mixed with liquid fertilizers.

Low Volume Application

Apply 3 to 4.5 fluid ounces of IMPRELIS™ herbicide in sufficient water to deliver from 1/8 to 1/2 gallons of spray solution per 1,000 square feet. (5.5 to 21.78 gallons per acre). Use low pressures and application equipment capable of delivering a uniform droplet size that can adequately wet the weed leaf surface. Do not use Ultra Low Volume (ULV) application equipment.

Spot Treatment Using Portable Sprayers

Mix 0.069-0.1 fl. oz. (2 to 3 ml) of IMPRELIS™ herbicide in 1 gallon of water and apply to broadleaf weeds by wetting the foliage to point of runoff. One gallon of spray solution will treat approximately 1,000 square feet of turfgrass.

Newly Seeded Turfgrass

IMPRELIS™ herbicide is an effective herbicide for broadleaf weed control immediately prior to or after seeding of cool season turfgrasses (except bentgrass) during turf renovations. IMPRELIS™ herbicide will control many broadleaf weeds that compete with and slow the establishment of cool season turfgrass stands. Apply 3 to 4.5 fluid ounces of IMPRELIS™ herbicide in sufficient water to deliver from 0.5 to 5 gallons of spray solution per 1,000

square feet (21.78 to 217.8 gallons per acre). Apply at grass seeding for best performance. IMPRELIS™ herbicide may be applied to seedling cool season turfgrasses at any time after germination.

APPLICATION EQUIPMENT

Application equipment must be clean and free from previous pesticide deposits before mixing IMPRELIS™ herbicide.

Mixing Directions:

1. Use clean, well maintained and properly calibrated application equipment.
2. Fill sprayer tank 1/4 to 1/2 full of water.
3. Start mechanical or hydraulic agitation. Do not use air agitation.
4. Add IMPRELIS™ herbicide directly to the sprayer tank.
5. Mix thoroughly to fully disperse IMPRELIS™ herbicide and continue agitation to keep the product in suspension.
6. Add the remaining volume of water required for application.

TANK-MIXTURES

Tank-mixtures with other pesticides and liquid fertilizers:

IMPRELIS™ herbicide may be tank-mixed with other pesticides and liquid fertilizers (including liquid iron products). Perform a small scale compatibility test prior to mixing products in the spray tank of application equipment. When tank-mixing IMPRELIS™ herbicide, observe all precautions and limitations on each product label. Do not exceed any label application rates. IMPRELIS™ herbicide must not be tank-mixed with any product containing a label prohibition against such mixing. All State and Federal regulations relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed. The physical compatibility of IMPRELIS™ herbicide will vary with different sources of other pesticide and liquid fertilizer products as well as local cultural practices. For a tank-mixture test, prepare the desired mixture on a small scale (pint or quart jar) using the proper proportions of pesticides and/or fertilizers and water to ensure the physical compatibility of the mixture. Add water and the desired products to the jar following the sequence listed below. Then close the jar, shake it well and observe the mixture for several seconds. Check the mixture again after 30 minutes. If the mixture shows no signs of separating, thickening, forming a gel or foaming excessively, then the combination may be used.

Tank-mixing Sequence:

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water soluble bags
2. Water dispersible granules
3. Wettable powders
4. Water-based suspension concentrates (Flowables)
5. DuPont™ IMPRELIS™ herbicide and other water soluble concentrates
6. Oil-based suspension concentrates (Flowables)

7. Emulsifiable concentrates
8. Adjuvants, surfactants and oils
9. Soluble fertilizers
10. Drift retardants

Turfgrass tolerance to tank-mixtures:

Certain turfgrass species or varieties may be sensitive to tank-mixtures of herbicides with other pesticides and/or liquid fertilizers. If local experience is not available, then a small area of the turfgrass in question should be treated with the tank-mixture and observed for injury during 30 days of normal growing conditions to determine if the treatment is safe before making widespread applications to the target species/variety.

APPLICATION EQUIPMENT CLEANING

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, booms and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

RESISTANCE MANAGEMENT

When herbicides that affect the same physiological site of action are used repeatedly over several years to control the same weed species in the same location, naturally-occurring resistant biotypes may survive a properly applied herbicide treatment, propagate, and become predominant in that location. Adequate control of these resistant weed biotypes cannot be expected from herbicides that target the same site of action. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product that affects a different site of action. To manage herbicide resistance, it may be necessary to tank-mix this product and/or make sequential applications with herbicides that have a different site of action. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding herbicide resistance management.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, chemical and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor to determine appropriate action threshold levels for specific weeds in your area.

RESTRICTIONS

- Do not formulate this product into other end-use products without written permission from DuPont Professional Products.
- Do not apply this product through any type of irrigation system.
- Do not apply this product with aerial application equipment.
- Do not apply this product in commercial nurseries or greenhouses.
- Do not apply more than 18 fluid ounces of IMPRELIS™ herbicide (equivalent to 0.28 lb ae) per acre per year in broadcast applications to turfgrass.
- Keep people and pets away from treated area until treatment has dried.
- Wait a minimum of 14 days to retreat.
- Do not apply this product to exposed roots of trees and shrubs.
- Do not apply to any ornamental bed.
- Do not apply this product directly to, or allow spray drift to come in contact with, ornamental groundcovers, foliage plants, flowers, trees, shrubs, nearby crop plants or other desirable plants; or to the soil where potentially sensitive plants will be planted during the same season.
- Do not exceed specified application rates for any area and particular care must be taken within the dripline of trees and shrubs or other ornamental plants.
- Do not apply where runoff or irrigation water may flow onto susceptible turfgrass, ornamental plants or crops as injury may result.
- Do not apply with a mist blower.
- Do not pour spray solutions near desirable plants.
- Do not use this product on golf course putting greens.
- Do not use grass clippings from treated areas for mulching or composting of desirable, susceptible broadleaf plants. Grass clippings must either be left on the treated area, or, if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clippings from treated turf for mulching or composting of desirable, susceptible broadleaf plants.
- Do not seed, sod, sprig, or plug treated area with warm season turfgrasses until at least 60 days after application.
- Do not apply to irrigation ditches or water used for irrigation or domestic purposes.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Do not subject to temperatures below 32°F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Refillable Container" or "Nonrefillable Container" designation.

For Small (Capacity Equal to or Less Than 5 Gallons) Nonrefillable Plastic Containers:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Large (Capacity Greater Than 5 Gallons)

Nonrefillable Plastic Containers: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For Large (Capacity Greater Than 5 Gallons)

Nonrefillable Metal Containers: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For All Other Refillable Containers: Refillable container. Refill this container with DuPont™ IMPRELIS™ containing aminocyclopyrachlor only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

NOTICE TO BUYER Purchase of this material does not confer any rights under patents of countries outside of the United States. The DuPont Oval Logo and DuPont™ are trademarks of E. I. du Pont de Nemours and Company.

D - 1390 072710

LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont or Seller. These risks can cause: ineffectiveness of the product, crop injury, injury to non-target crops or plants, or other unintended consequences. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHER LEGAL THEORY) RESULTING FROM THE STORAGE, USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, DuPont or its distributor must have prompt notice of any claim so that an immediate investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify DuPont or a DuPont distributor of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT (1-888-638-7668)

© 2010 E.I. DuPont de Nemours and Company, 1007 Market Street, Wilmington, Delaware 19898

All rights reserved.

REGISTRATION NOTE FOR RECORD

EPA Reg. No./ File Symbol: 352-TOG (793)

Product Name: DuPont Imprelis Herbicide

Application Date: 9/29/08

Action Description: R060 (New Chemical; Non-Food Use)

PRODUCT CHEMISTRY: (DP358083 3/5/10)

Basic CSF 1/7/10

Data Gaps: Storage Stability & Corrosion Characteristics

ACUTE TOXICITY: (DP358085 3/25/10)

Tox Category IV/Neg for all routes of exposure

GENERIC DATA:

Original Data Submitter (new active ingredient) Technical Products under 352-782 & 352-783

Data Gaps: Repeated-dose study in a sensitive species to address the hazard of chronic exposure to the environmental degradate IN-V0977 (CPCA), Avian Reproduction (850.2300), Freshwater Invertebrate Life Cycle (850.1300)

Risk to terrestrial non-target plants; possible concerns with residues in compost/mulch

LABEL REVIEW:

Occupational lawn/turf product with WPS use (sod farms); ground application only

Label restrictions as stated in Registration Decision

COMMENTS:

First registration of a pyrimidine carboxylic acid synthetic auxin chemical class
Docket ID: EPA-HQ-OPP-2009-0789

DECISION:

Conditional registration with data requirements and label comments

Reviewer:

Spindy Andelin

Date:

8/31/10



Fw: ACP Revised Turf Use Labels: 352-TOE, 352-TOG, 352-TOU

Tim K Theodorakis to: Mindy Ondish

07/27/2010 03:18 PM

Mindy,

As discussed, these are the "final" deletions/revisions to our 3 draft turf labels for Imprelis (352-TOG), DPX-MAT28 50SG (352-TOU) and DPX-KJM44 80XP (352-TOE):

Page 2-3: Deleted the statement "For optimum postemergence control, add a non-ionic surfactant at 0.25% volume/volume (1 pint per 50 gallons) to the spray solution."

Page 3: Revised the statement "IMPRELIS™ herbicide is rain-fast at 1 hour after application." to "IMPRELIS™ herbicide is rain-fast immediately after application."

Page 3: Right column revised footnote 2 from "Do not apply IMPRELIS™ herbicide to golf course tees or greens." to "Do not apply IMPRELIS™ herbicide to golf course greens."

Page 6: Left column, deleted statement "To improve spray coverage, the addition of a non-ionic surfactant at 0.25% volume/volume (1 pint per 50 gallons of spray solution) is suggested."

Page 6: Right column, deleted the whole "Surfactants" section

Page 7: Right column, next to last bullet point revise • "Do not use this product on golf course putting greens or tees." to • "Do not use this product on golf course putting greens."

Page 7: Right column, last bullet point, revised to following (new text is underlined):

"• Do not use grass clippings from treated areas for mulching or composting of desirable, susceptible broadleaf plants. Grass clippings must either be left on the treated area, or, if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clippings from treated turf for mulching or composting of desirable, susceptible broadleaf plants."

I really appreciate your reviewing the above latest versions of our 3 turf end-use product labels. As you're reviewing, please do not hesitate to give me a call if you have any questions.

Thank you and have a great week,

S. K. (Tim) Theodorakis

Product Registrations Manager, Professional Products

DuPont Crop Protection

(T) 302-366-5965

(F) 302-351-7145

tim.k.theodorakis@usa.dupont.com

----- Forwarded by Tim K Theodorakis/AE/DuPont on 07/27/2010 02:26 PM -----

Tim K Theodorakis/AE/DuPont

To Ondish.Mindy@epamail.epa.gov

07/21/2010 11:43 AM

CC Rebecca M Ashley/AE/DuPont@DuPont, Tamika N Davis_Cannon/AE/DuPont@DuPont

Subject ACP Revised Turf Use Labels: 352-TOE, 352-TOG, 352-TOU

1

Hi Mindy,

I know you're meeting with Becky and Jake today to discuss the Vegetation Management labels. Just wanted to provide you with copies of our 3 turf labels with revisions you requested and some corrections/additions we noted were needed. Please note that we have modified the following verbiage for some of the key sections:

Page 1: Modified PPE since not required for these formulations but agree with including minimum for mixer/loader and after mixed for applicator as follows:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers and loaders must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

Applicators: After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

Page 4: Added weeds in Table 1.

Page 6: modified to specify Sod Farms even though modeling and use does not warrant any buffer zone; and changed to "> 250 microns" per ASABE standard.

Use properly calibrated application equipment that will produce a uniform, coarse droplet spray (>250 microns) as defined by ASABE S572 standard, using a low pressure setting to help eliminate off target drift.

Application Restrictions for Sod Farms

Maintain a 25-foot buffer around non-target aquatic areas and between the point of direct application and the closest downwind edge of non-target terrestrial areas. Apply only using nozzles which will deliver coarse or greater (VMD >250 microns) droplets as defined by ASABE S572 standard. Do not apply with a nozzle height greater than 4 feet above the ground or crop canopy. Do not apply when wind speed is greater than 10 mph. Do not apply during a temperature inversion.

Page 7-8: In Restrictions section modified the grass clippings statement as follows due to use on sod farms and residential areas by occupational applicators, we believe that this provides the guidance required for aminocyclopyrachlor versus the competitor compounds)

Do not use grass clippings from treated areas for mulch or compost. Grass clippings must either be left

on the treated area, or, if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clippings from treated turf for mulch or compost.

Attached are a highlighted and clean version of each label below:

**1. DuPont DPX-MAT28 240SL Turf Herbicide (352-TOG) New primary brand name
DuPont Imprelis Herbicide**

Highlighted copy:

Clean copy:

2. DuPont DPX-50SG Turf Herbicide (352-TOU)

Highlighted:

Clean:

3. Dupont DPX-KJM44 Turf Herbicide (352-TOE)

Highlighted:

Clean:

I'll be out of the office traveling after 1:30pm today but will try to call you before I leave.

S. K. (Tim) Theodorakis
Product Registrations Manager, Professional Products
DuPont Crop Protection
(T) 302-366-5965
(F) 302-351-7145
tim.k.theodorakis@usa.dupont.com

This communication is for use by the intended recipient and contains information that may be Privileged, confidential or copyrighted under applicable law. If you are not the intended recipient, you are hereby formally notified that any use, copying or distribution of this e-mail, in whole or in part, is strictly prohibited. Please notify the sender by return e-mail and delete this e-mail from your system. Unless explicitly and conspicuously designated as "E-Contract Intended", this e-mail does

not constitute a contract offer, a contract amendment, or an acceptance of a contract offer. This e-mail does not constitute a consent to the use of sender's contact information for direct marketing purposes or for transfers of data to third parties.

Francais Deutsch Italiano Espanol Portugues Japanese Chinese Korean

http://www.DuPont.com/corp/email_disclaimer.html

  
IMPRELIS D-1390 072110 Highlighted.pdf IMPRELIS D-1390 072110.pdf DFX-MAT28 50SG D-1391 072110 Highlighted.pdf
  
DPX-MAT28 50SG D-1391 072110.pdf DFX-KJM44 80XP D-1365 072110 Highlighted.pdf DFX-KJM44 80XP D-1365 072110.pdf
 
DPX-KJM44 80XP D-1365 072710 Draft Label 352-TOE.pdf IMPRELIS D-1390 072710 Draft 352-TOG.pdf

DPX-MAT28 50SG D-1391 072710 Draft Label 352-TOU.pdf

**Recommendation of Division Directors
Negotiated Due Dates**

Decision#: 400967, 400968,
400969, 400970, 400971, 400972,
400973, 400974, 400976, 400979,
400980

Registration#: 352-TIE, 352-TOE,
352-TOG, 352-TOU, 352-TOL,
352-TIG, 352-TOA, 352-TIU,
352-TIL, 352-TIA, 352-TIT

Petition #: N/A

Fee Category: R060

PRIA Decision Time Frame: 21-Months

Submitted by: Mindy Ondish

Branch: HB

Date: 7/21/10

Company: E.I. du Pont de Nemours and Company

Original Due Date: July 22, 2010

Proposed New Due Date: September 1, 2010

Previous Negotiated Due Dates: N/A

Is the "Fix" in-house? Yes

If not, date "Fix" expected: N/A

Issue (describe in detail): DuPont would like to further discuss the requirement to add buffer restrictions to vegetative management (VM) applications/products for the new chemical aminocyclopyrachlor, as stated in the proposed registration decision document. They have submitted a response to the buffer requirement which is being reviewed by the RD.

Summary of Deficiency Type(s): Not Submitted (N) or Deficiencies (D)

Product Chemistry: ___ **Acute Tox:** ___ **Efficacy:** ___ **Labeling:** ___ **Other (describe):** N/A

Describe Interactions with Company (describe when contacted and company's response including response to previous negotiated due dates): As part of the public process, the proposed registration decision document for aminocyclopyrachlor was posted to the docket on June 17, 2010 for public comment. There were a number of label requirements based on the use pattern of the product. Of these, DuPont is rebutting the buffer requirement to mitigate spray drift to non-target areas for ground and aerial VM applications. DuPont submitted a formal response on July 16, 2010, prior to the comment period closing date of July 17, 2010.

"75-Day" Letter sent? ___ Yes ___ **X** No and reason for none? N/A

Rationale for Proposed Due Date:

To allow the Agency time to review the submitted rebuttal, to discuss further with DuPont, and to make a final decision regarding buffer restrictions. Also to allow time to complete the public process, which includes drafting and posting the registration decision document and registration notices.

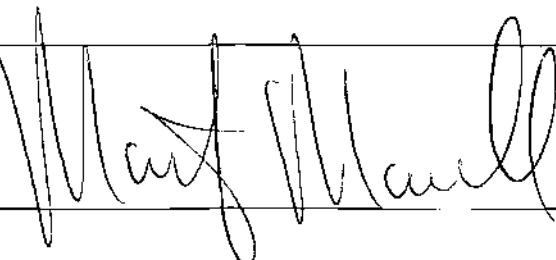
Registrant notified that this is the last negotiation? ___ Yes ___ **X** Not Applicable

Approve: ☒

Disapprove:

If disapproved, action to be taken:

OD or DOD Signature:



Date:

7-21-10



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

CONFIDENTIAL BUSINESS CORRESPONDENCE

July 21, 2010

Ms. Mindy Ondish
Document Processing Desk,
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

SUBJECT: Extension of PRIA decision date for Aminocyclopyrachlor and its Related MUPs and end-use products.

Dear Ms. Ondish,


As requested by the Agency, DuPont hereby agrees to an extension of the PRIA decision date for the Section 3 Registration of a New Pesticide Chemical for Aminocyclopyrachlor and its related MUPs and end-use products from the current decision date of July 22, 2010 to the proposed date of September 1, 2010.

If you need to further information regarding this action, please contact me by telephone at 302-451-0829, by fax at 302-351-7035 or by e-mail at Rebecca.m.ashley@usa.dupont.com.

Sincerely,

Rebecca M. Ashley
Product Registration Manager
DuPont Crop Protection



Re: ACP alternate brand names 
Mindy Ondish to: Tim K Theodorakis
Cc: Rebecca M Ashley

07/13/2010 03:29 PM

Tim,

Go ahead and make the name change on the labels you are revising.

Mindy Ondish
Biologist, Herbicide Branch (Team 25)
Registration Division (7505P)
U.S. Environmental Protection Agency
Office of Pesticide Programs
1200 Pennsylvania Ave. NW
Washington, D.C. 20460-0001
Phone: (703) 605-0723

Tim K Theodorakis

Mindy, We do have a tradename that I'd like to...

07/13/2010 03:20:35 PM

From: Tim K Theodorakis <Tim.K.Theodorakis@usa.dupont.com>
To: Mindy Ondish/DC/USEPA/US@EPA
Cc: Rebecca M Ashley <Rebecca.M.Ashley@USA.dupont.com>
Date: 07/13/2010 03:20 PM
Subject: Re: ACP alternate brand names

Mindy,

We do have a tradename that I'd like to switch 2 of our 3 pending ACP end-use turf products primary brand names to as follows:

Current Primary Brand Name symbol Primary Brand Name	New	File
DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ Imprelist™ Herbicide	(352-TOG)	to
DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ Imprelist™ 50SG Herbicide	(352-TOU)	to

If acceptable to make the change, I'll go ahead and include the revised brand names in the revised version of the labels that I'm currently working on per your request.

S. K. (Tim) Theodorakis
Product Registrations Manager, Professional Products
DuPont Crop Protection
(T) 302-366-5965
(F) 302-351-7145
tim.k.theodorakis@usa.dupont.com



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

25/MAR/2010

MEMORANDUM

Subject: Name of Pesticide Product: DuPont™ DPX-MAT28 240SL Turf Herbicide
EPA File Symbol: 352-TOG
DP Barcode: D358085
Decision No.: 400969
Action Code: R060.0
PC Code: 288010 Aminocyclopyrachlor potassium salt

From: Rick J. Whiting, Biologist *R. Whiting E. McAndrew*
Technical Review Branch (TRB)
Registration Division (7505P)

To: Mindy Ondish / James Tompkins, RM Team 25
Herbicide Branch
Registration Division (7505P)

Applicant: E.I. Du Pont de Nemours and Company
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19711-0030

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt</u>
288010 Potassium salt of Aminocyclopyrachlor (CAS No. 858956-35-1)	24.0
<u>Inert Ingredient(s):</u>	76.0
Total:	100.0%

ACTION REQUESTED: The Risk Manager requests: "Registrant is applying for a new a.i., Aminocyclopyrachlor, for terrestrial outdoor non-food use. This is the potassium salt form of the MAT28 acid, formulated as SC for turf only uses. These studies are also bridged to support the outdoor non-food use product Reg # 352-TIA. Included are the proposed label, CSF, data matrix, and company letter listing all studies submitted for proposed products. Please review acute toxicity 6-pack data."

BACKGROUND: E.I. Du Pont de Nemours and Company has submitted a Basic Formulation CSF dated January 7, 2010, a data matrix and a proposed label to support the registration of DuPont™ DPX-MAT28 240SL Turf Herbicide, EPA File Symbol 352-TOG.

No product specific data was submitted for 352-TOG. Instead the registrant has requested TRB to bridge the acute toxicity data, MRID numbers 475601-01 thru -05 and 47560040, submitted to support the registration of DuPont™ DPX-MAT28 240SL Herbicide, EPA File Symbol 352-TIA to 352-TOG. These studies were reviewed in a previous TRB memorandum (R. Whiting; D358086; EPA File Symbol 352-TIA; 27/JAN/2010). The test material used in the acute studies was identified as DPX-MAT28-011 (Aminocyclopyrachlor – 22.4%; Lot No. D100845-066F; pH: 7.1; tan liquid)

COMMENTS AND RECOMMENDATIONS:

1. After reviewing the cited acute toxicity studies, the Basic Formulation CSF and the proposed label for 352-TOG, TRB concluded that the bridged data from 352-TIA is relevant and may be used in the absence of product specific data.
2. The acute toxicity profile for DuPont™ DPX-MAT28 240SL Turf Herbicide, EPA File Symbol 352-TOG, is as follows:

Acute oral toxicity	IV	Cited	MRID 47560040
Acute dermal toxicity	IV	Cited	MRID 47560101
Acute inhalation toxicity	IV	Cited	MRID 47560102
Primary eye irritation	IV	Cited	MRID 47560103
Primary skin irritation	IV	Cited	MRID 47560104
Dermal sensitization (LLNA)	Negative	Cited	MRID 47560105

3. Based on the toxicity profile above, the following are the precautionary and first aid statements for this product as obtained from the Label Review System:

PRODUCT ID #: 000352-00793

PRODUCT NAME: DuPont™ DPX-MAT28 240SL Turf Herbicide

PRECAUTIONARY STATEMENTS

SIGNAL WORD: CAUTION [Optional]

Hazards to Humans and Domestic Animals:

Wear: Long-sleeved shirt and long pants, socks, shoes, and gloves.

First Aid: [Not required. Registrant can use Category III statements.]

4. In addition, TRB noted that the registrant has included additional First Aid and Precautionary statements and User Safety Recommendations. TRB finds this additional labelling information acceptable.

5. The Basic Formulation CSF dated January 7, 2010 for the proposed product has been reviewed and accepted by the TRB Product Chemistry Team (A. Abramovitch; D358083 and D373912; 24/MAR/2010).

BARCODE: D358083 & 373912; FILE SYMBOL: 352-TOG PRODUCT: DPX MAT28 240SL Turf Herbicide
(Revised CSF)

Date: March 5, 2010

FROM: Akiva Abramovitch, Ph.D. *Akiva*
Technical Review Branch / RD (7505P)

FEE

THROUGH: Shyam B. Mathur, Ph.D. *SBM 3/24/10*
Product Chemistry Team Leader
Technical Review Branch/RD (7505P)

TO: Mindy Ondish, Reviewer / James Tompkins, Product Manager, RM 25
Herbicide Branch / RD (7505P)

SUBJECT: **PRODUCT CHEMISTRY REVIEW OF: DPX MAT28 240SL Turf Herbicide**
Product Type: TGA/MP [] EP [x]
DP BARCODE No.: D358083 & 373912 REG. No.: 352-TOG
PRODUCT NAME: DPX MAT28 240SL Turf Herbicide
COMPANY: DUPONT
PCC: 288008 ; Decision No.: 400969 ; ACTION CODE: R060
FOOD USE [N]

INTRODUCTION:

The registrant is proposing an end-use product containing 21.2% 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid (aminocyclopyrachlor acid). The product source for the active ingredient has a nominal concentration of 89.3% and is noted by the company name of DPX MAT Technical (352-TIE).

The registrant provided product chemistry data including all the individual studies for the Group B data in MRID 475599-9 and 10 and 479620-02 (revised certified limits to replace 475599-08) to address the product chemistry data requirement for group A. and group B physical properties. TRB has been asked to evaluate the product chemistry data (Group A & B) and the revised CSF dated January 7, 2010 submitted to support the proposed registration of this product.

The active ingredient on the CSF dated January 7, 2010 has been cleared for non-food use only.

The registrant claims that this product is identical to product EPA File No. 352-TIA and wishes to rely on the data submitted to support the registration of this product.

SUMMARY OF FINDINGS:

1. The product contains 25% the potassium 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid (aminocyclopyrachlor acid) at the nominal concentration for the active ingredient correspond to the product label claim of 25% potassium salt (revised label). The 25% potassium salt generates 21.2% of the acid equivalent 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid (aminocyclopyrachlor acid). noted by the company as DPX MAT28.

2. The product chemistry data submitted corresponding to guideline reference 830.1550 (product identity & composition) and 830.1750 (certified limits) satisfy the data requirements of 40CFR§158.320 and 158.380 respectively [MRID No. 475599-08 and MRID 479620-02].

3. The submitted product chemistry data corresponding to Guideline 830.1600 series (description of materials used to produce the product) including 830.1620 (description of formulation process) and

BARCODE: D358083 & 373912 ; **FILE SYMBOL:** 352-TOG **PRODUCT:** DPX MAT28 240SLTurf Herbicide
(Revised CSF)

830.1650 (discussion of the formation of impurities) satisfy the data requirements of 40 CFR 158.325, 158.330 and 158.340, respectively (MRID 479620-08).

4. The data submitted corresponding the guideline reference 830.1800 (Enforcement Analytical method) satisfy the data requirements of 40CFR§158.355. The HPLC/UV method was used to determine the percentage of the active ingredient. The validation of the method is described in MRID 475599-09.

5. Data submitted for guidelines 830 Series Subgroup B (physical-chemical properties) is acceptable to satisfy the data requirements of 40CFR§158.310 for this product with the exception of storage stability and corrosion characteristics data (MRID 475599-08).

CONCLUSIONS:

TRB has reviewed the product chemistry data submitted for 830 series Subgroup A for DPX MAT28 240SL Turf Herbicide and has concluded that:

1. The CSF for basic formulation dated January 7, 2010 is acceptable. The Agency accepts the wider certified limits for the ingredients used to maintain the salt stable.
2. The product chemistry data submitted corresponding to guidelines 830 series subgroup A are acceptable.
3. The product chemistry data submitted corresponding to guidelines 830 series subgroup B are acceptable, except for the guidelines 830.6317, one year storage stability, and 830.6320 (corrosion characteristics).
4. The registrant must submit the results of one year storage stability (830.6317) and corrosion characteristics (830.6320) to the Agency. It is recommended that the observations for the studies be made at 0, 3, 6, 9, & 12 month intervals. The results must be submitted in a hard copy and an electronic format is also requested.
5. This product is identical to product 352-TIA based on the Group A data and the CSFs and therefore all the data submitted to support 352-TIA can be used to support the registration of this product

Product identity & Composition:

Table 1. Manufacturing and Impurity Data for TGAI/MUP				
GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product Identity and composition	479620-02	A	CSF unacceptable
830.1600	Description of materials used to produce the product	479620-02	A	See confidential appendix.
830.1650	Description of formulation process	479620-02	A	See confidential appendix.
830.1670	Discussion of formation of impurities	479620-02	A	See confidential appendix.
830.1700	Preliminary analysis		NR	
830.1750	Certified limits	479620-02	A	See comments in the Confidential Appendix
830.1800	Enforcement analytical method	475599-09	A	

BARCODE: D358083 & 373912 ; **FILE SYMBOL:** 352-TOG **PRODUCT:** DPX MAT28 240SLTurf Herbicide
(Revised CSF)

A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U up-grade (additional information required)

830 series group B	Data Required Fulfilled	Value or Qualitat. Descrip.	MRID No.
830.6302. Color	A	Brown	475599-10
830.6303. Physical State	A	Liquid	475599-10
830.6304. Odor	A	Mild vinegar like odor	475599-10
830.6314. Oxidation/Reduction Action	A	None observed	475599-10
830.6315. Flammability	A	Flash point= above 100 C	
830.6316. Explodability	W	Registrant claims the product is not explosive	
830.6317. Storage stability	G	1 year GLP study in progress	In progress
830.6319. Miscibility	W	No dilution required	
830.6320. Corrosion Characteristics	G	1 year GLP study in progress	In progress
830.6321. Dielectric Breakdown Voltage	W	Not for use around electrical components	
830.7000. pH	A	6.9 (1% solution)	475599-10
830.7100. Viscosity	A	2 centipoise at 12 rpm and 3.2 at 30 rpm	475599-10
830.7300. Specific gravity/density at 20°C	A	Relative density 1.13 g/ml at 20 C	475599-10

Explanations: A = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.

830.1800. Enforcement of analytical method: MRID 475499-09). The analysis for the active ingredient and the impurities was conducted by HPLC.

Enforcement Analytical Method
Analytical Methods

Method Summary

The end-use product sample is extracted into methanol/water. The sample solutions are analyzed by reversed-phase liquid chromatography, using a 3.5- μ m particle size, 4.6 mm \times 150 mm Zorbax[®] Eclipse XDB-C8 column with UV detection at 230 nm. Internal standard (benzamide) technique is used for method calibration. The weight percent of the active ingredient in the sample is determined by comparison to a calibration curve (area ratio vs. amount ratio) prepared from the analysis of standard solutions.

Test substance (item) solutions were prepared for analysis, as specified in the method. Standard calibration curves were generated using a linear regression program.

A copy of the assay method for determining aminocyclopyrachlor (DPX-MAT28) in end-use products and technicals containing aminocyclopyrachlor active ingredients appears in DuPont Report No. DuPont-26788 (Reference 8). The HPLC assay method has been validated for selectivity, linearity, accuracy and precision

The principle technique for the analysis of commercially produced Aminocyclopyrachlor samples is high performance liquid chromatography (HPLC) with ultraviolet (UV) diode detection (DAD). Confirmation of impurity identities is accomplished in three ways: (1) comparison of chromatographic peak retention times generated from standard and technical material sample solutions (GLP-characterized analytical standards are utilized), (2) collection and comparison of highly specific HPLC/UV DAD spectral data for each component, and (3) comparison of chromatographic peak retention times generated from standard and technical material sample solutions (GLP-characterized analytical standards are utilized) under high performance liquid chromatography (HPLC) with mass spectrometric detection (MS) conditions and collection and comparison of highly specific HPLC/MS spectral data for each component.

HPLC/UV DAD and HPLC/MS spectral data are presented to confirm the identities of the impurities for a commercially produced Aminocyclopyrachlor sample.

UV DAD spectral data for Aminocyclopyrachlor impurities were generated utilizing an Agilent 1100 HPLC with UV DAD detector. Standard and technical material sample solutions were prepared as specified in the Analytical Method section of this report.

Instrumentation and Equipment

The following instrumentation was used in the generation of data for this study:

Hewlett Packard 1100 Series II liquid chromatograph equipped with a HP D2286 HPLC^{3D} Chemstation, and a temperature-controlled autosampler

Mettler Model AT201 analytical balances (2)

Beckman Model Φ 45 pH meter

Ultrasonic bath (Branson Ultrasonic Corp., Danbury, CT 06810-1961;
Model No. 250D)

The following liquid chromatography LC column was used in the generation of data for this study:

HPLC Analytical Column – Zorbax[®] SB-C-8, prepacked, 3.5- μ m particle size,
4.6 mm x 75 mm

Joseph P. McClory, September 2008, "Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, a Paste-Extruded Blend, Aminocyclopyrachlor Methyl (DPX-KJM44) Water-Dispersible Granule Formulations (WG), Aminocyclopyrachlor (DPX-MAT28) Water-Soluble Granule Formulations (SG), Aminocyclopyrachlor (DPX-MAT28) Soluble Concentrate Formulations (SL) and Other End-Use Products," DuPont-26105. E. I. du Pont de Nemours and Company, Wilmington, Delaware.

Pages 45-47 *Manufacturing process information may be entitled to confidential treatment*

BARCODE: D358083 ; **FILE SYMBOL:** 352-TOG **PRODUCT:** DPX MAT28 240SL Turf Herbicide

Date: November 25, 2009

FROM: Akiva Abramovitch, Ph.D.
Technical Review Branch / RD (7505P)

THROUGH: Shyam B. Mathur, Ph.D.
Product Chemistry Team Leader
Technical Review Branch/RD (7505P)

TO: Mindy Ondish, Reviewer / James Tompkins, Product Manager, RM 25
Herbicide Branch / RD (7505P)

SUBJECT: **PRODUCT CHEMISTRY REVIEW OF:** DPX MAT28 240SL Turf Herbicide
Product Type: TGA/MP [] EP [x]
DP BARCODE No.: D 358083 REG. No.: 352-TOG
PRODUCT NAME: DPX MAT28 240SL Turf Herbicide
COMPANY: DUPONT
PCC: 288008 ; Decision No.: 400969 ; ACTION CODE: R060
FOOD USE [N]

INTRODUCTION:

The registrant is proposing an end-use product containing 21.2% 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid (aminocyclopyrachlor acid). The product source for the active ingredient has a nominal concentration of 89.3% and is noted by the company name of DPX MAT Technical (352-TIE).

The registrant provided product chemistry data including all the individual studies for the Group B data in MRID 475599-08 through 10 to address the product chemistry data requirement for group A. and group B physical properties. TRB has been asked to evaluate the product chemistry data (Group A & B) and the CSF dated September 29, 2008 submitted to support the proposed to determine its acceptability.

The active ingredient on the CSF dated September 29, 2008 has been cleared for non-food use only.

The registrant claims that this product is identical to product EPA File No. 352-TIA and wishes to rely on the data submitted to support the registration of this product.

SUMMARY OF FINDINGS:

1. The product contains 21.2% 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid (aminocyclopyrachlor acid) noted by the company as DPX MAT28 at the nominal concentration for the active ingredient that does not correspond to the product label claim of 24%.
2. The product chemistry data submitted corresponding to guideline reference 830.1550 (product identity & composition) and 830.1750 (certified limits) does not satisfy the data requirements of 40CFR§158.320 and 158.380 respectively [MRID No. 475599-08] because the CSF is unacceptable and requires revisions.
3. The submitted product chemistry data corresponding to Guideline 830.1600 series (description of materials used to produce the product) including 830.1620 (description of formulation process) and 830.1650 (discussion of the formation of impurities) satisfy the data requirements of 40 CFR 158.325, 158.330 and 158.340, respectively (MRID 475599-08).

BARCODE: D358083 ; **FILE SYMBOL:** 352-TOG **PRODUCT:** DPX MAT28 240SL Turf Herbicide

4. The data submitted corresponding the guideline reference 830.1800 (Enforcement Analytical method) satisfy the data requirements of 40CFR§158.355. The HPLC/UV method was used to determine the active ingredient content. The validation of the method is described in MRID 475599-09.

5. Data submitted for guidelines 830 Series Subgroup B (physical-chemical properties) is acceptable to satisfy the data requirements of 40CFR§158.310 for this product with the exception of storage stability and corrosion characteristics data (MRID 475599-08).

CONCLUSIONS:

TRB has reviewed the product chemistry data submitted for 830 series Subgroup A for DPX MAT28 240SL Turf Herbicide and has concluded that:

1. The CSF for basic formulation dated September 29, 2008 is unacceptable. The certified limits have a wider range than allowed by 40CFR 158.350 and no manufacturing rational was provided for the higher range of the certified limits. The certified limits must follow 40CFR 158.350.

2. The product chemistry data submitted corresponding to guidelines 830 series subgroup A are acceptable with the exception of the CSF and the certified limits.

3. The product chemistry data submitted corresponding to guidelines 830 series subgroup B are acceptable, except for the guidelines 830.6317, one year storage stability, and 830.6320 (corrosion characteristics).

4. The registrant must submit the results of one year storage stability (830.6317) and corrosion characteristics (830.6320) to the Agency. It is recommended that the observations for the studies be made at 0, 3, 6, 9, & 12 month intervals. The results must be submitted in a hard copy and an electronic format is also requested.

5. The CSF is unacceptable because the certified limits are not in compliance with 40CFR regulations and no manufacturing rational was provided to justify these limits.

6) Since the 24% concentration of the active ingredient listed on the label is not within the certified limits of the 21.2% nominal concentration listed on the CSF, the label must be revised to correspond to the CSF.

830.1550. Product identity & Composition (MRID 475599-08):

Table 1. Manufacturing and Impurity Data for TGAI/MUP				
GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product Identity and composition	475599-08	G	CSF unacceptable
830.1600	Description of materials used to produce the product	475599-08	A	See confidential appendix.
830.1650	Description of formulation process	475599-08	A	See confidential appendix.
830.1670	Discussion of formation of impurities	475599-08	A	See confidential appendix.
830.1700	Preliminary analysis		NR	
830.1750	Certified limits	475599-08	G	See comments in the Confidential Appendix

BARCODE: D358083 ; **FILE SYMBOL:** 352-TOG **PRODUCT:** DPX MAT28 240SL Turf Herbicide

830.1800	Enforcement analytical method	475599-09	A	
----------	-------------------------------	-----------	---	--

A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U up-grade (additional information required)

830 series group B	Data Required Fulfilled	Value or Qualitat. Descrip.	MRID No.
830.6302. Color	A	Brown	475599-10
830.6303. Physical State	A	Liquid	475599-10
830.6304. Odor	A	Mild vinegar like odor	475599-10
830.6314. Oxidation/Reduction Action	A	None observed	475599-10
830.6315. Flammability	A	Flash point= above 100 C	
830.6316. Explodability	W	Registrant claims the product is not explosive	
830.6317. Storage stability	G	1 year GLP study in progress	In progress
830.6319. Miscibility	W	No dilution required	
830.6320. Corrosion Characteristics	G	1 year GLP study in progress	In progress
830.6321. Dielectric Breakdown Voltage	W	Not for use around electrical components	
830.7000. pH	A	6.9 (1% solution)	475599-10
830.7100. Viscosity	A	2 centipoise at 12 rpm and 3.2 at 30 rpm	475599-10
830.7300. Specific gravity/density at 20°C	A	Relative density 1.13 g/ml at 20 C	475599-10

Explanations: A = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.

830.1800. Enforcement of analytical method: MRID 475499-09). The analysis for the active ingredient and the impurities was conducted by HPLC.

***Enforcement Analytical Method
Analytical Methods***

Method Summary

The end-use product sample is extracted into methanol/water. The sample solutions are analyzed by reversed-phase liquid chromatography, using a 3.5- μ m particle size, 4.6 mm \times 150 mm Zorbax[®] Eclipse XDB-C8 column with UV detection at 230 nm. Internal standard (benzamide) technique is used for method calibration. The weight percent of the active ingredient in the sample is determined by comparison to a calibration curve (area ratio vs. amount ratio) prepared from the analysis of standard solutions.

Test substance (item) solutions were prepared for analysis, as specified in the method. Standard calibration curves were generated using a linear regression program.

A copy of the assay method for determining aminocyclopyrachlor (DPX-MAT28) in end-use products and technicals containing aminocyclopyrachlor active ingredients appears in DuPont Report No. DuPont-26788 (Reference 8). The HPLC assay method has been validated for selectivity, linearity, accuracy and precision

The principle technique for the analysis of commercially produced Aminocyclopyrachlor samples is high performance liquid chromatography (HPLC) with ultraviolet (UV) diode detection (DAD). Confirmation of impurity identities is accomplished in three ways: (1) comparison of chromatographic peak retention times generated from standard and technical material sample solutions (GLP-characterized analytical standards are utilized), (2) collection and comparison of highly specific HPLC/UV DAD spectral data for each component, and (3) comparison of chromatographic peak retention times generated from standard and technical material sample solutions (GLP-characterized analytical standards are utilized) under high performance liquid chromatography (HPLC) with mass spectrometric detection (MS) conditions and collection and comparison of highly specific HPLC/MS spectral data for each component.

HPLC/UV DAD and HPLC/MS spectral data are presented to confirm the identities of the impurities for a commercially produced Aminocyclopyrachlor sample.

UV DAD spectral data for Aminocyclopyrachlor impurities were generated utilizing an Agilent 1100 HPLC with UV DAD detector. Standard and technical material sample solutions were prepared as specified in the Analytical Method section of this report.

Instrumentation and Equipment

The following instrumentation was used in the generation of data for this study:

Hewlett Packard 1100 Series II liquid chromatograph equipped with a HP D2286 HPLC^{3D} Chemstation, and a temperature-controlled autosampler

Mettler Model AT201 analytical balances (2)

Beckman Model Φ 45 pH meter

Ultrasonic bath (Branson Ultrasonic Corp., Danbury, CT 06810-1961; Model No. 250D)

The following liquid chromatography LC column was used in the generation of data for this study:

HPLC Analytical Column – Zorbax[®] SB-C-8, prepacked, 3.5- μ m particle size, 4.6 mm x 75 mm

Joseph P. McClory, September 2008, "Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, a Paste-Extruded Blend, Aminocyclopyrachlor Methyl (DPX-KJM44) Water-Dispersible Granule Formulations (WG), Aminocyclopyrachlor (DPX-MAT28) Water-Soluble Granule Formulations (SG), Aminocyclopyrachlor (DPX-MAT28) Soluble Concentrate Formulations (SL) and Other End-Use Products," DuPont-26105. E. I. du Pont de Nemours and Company, Wilmington, Delaware.

Pages 53-56 *Manufacturing process information may be entitled to confidential treatment*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

January 27, 2010

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

E. I. DU PONT DE NEMOURS AND CO., INC. (S300/419)
1007 MARKET STREET
WILMINGTON, DE 19898-0001

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 25-JAN-10. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

NR 479620-00

CONFIDENTIAL BUSINESS CORRESPONDENCE

January 21, 2010

Ms. Mindy Ondish
Document Processing Desk,
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

SUBJECT: Revised Proposed Confidential Statements of Formula for:
DuPont DPX-MAT28 50SG Herbicide (EPA File Symbol 352-TIT)
DuPont DPX-MAT28 50SG Turf Herbicide (EPA File Symbol 352-~~TH~~) TOU
DuPont DPX-MAT28 240SL Herbicide (EPA File Symbol 352-TIA)
DuPont DPX-MAT28 240SL Turf Herbicide (EPA File Symbol 352-~~TOE~~) TOG

Dear Ms. Ondish,

As requested by the Agency, we have revised the Confidential Statements of Formula (CSF) for the products listed above to conform to the certified limits in 40 CFR 158.75. Two copies of each CSF are enclosed.

In support of the revised CSFs, DuPont is submitting the following revised product chemistry reports:

Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 240SL.
DuPont-22902 RV1

Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 50SG.
DuPont-26442 RV1

If you have any further questions regarding this submission, please contact me at 302-451-0829. I can also be reached via FAX at 302-351-7035 or e-mail at Rebecca.m.ashley@usa.dupont.com.

Sincerely,

Rebecca M. Ashley
Product Registration Manager
DuPont Crop Protection

DATA TRANSMITTAL DOCUMENT

Name & Address of Submitter:

E. I. du Pont de Nemours and Company
DuPont Crop Protection
Attention: Rebecca M. Ashley
Stine-Haskell Research Center
P. O. Box 30
Newark, DE 19714-0030

Regulatory Action in Support of Which This Package is Submitted:

Submission of additional data in support of Aminocyclopyrachlor end-use products.

Product Names and File Symbols:

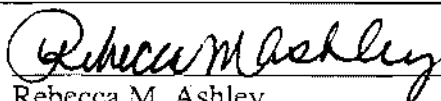
DuPont™ DPX-MAT28 50SG Herbicide	352-TIT
DuPont™ DPX-MAT28 50SG Turf Herbicide	352-TOU
DuPont™ DPX-MAT28 240SL Herbicide	352-TIA
DuPont™ DPX-MAT28 240SL Turf Herbicide	352-TOG

Transmittal Date: January 21, 2010

Studies Submitted:

Guideline number	Title	Study ID	MRID
830.1550 830.1600 830.1650 830.1670 830.1750	Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 50SG	DuPont-26442 RV1	47982001
830.1550 830.1600 830.1650 830.1670 830.1750	Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 240SL	DuPont-22902 RV1	47982002

Submitter:


Rebecca M. Ashley
Product Registration Manager

Date: Jan. 21, 2010

Company Name: E. I. du Pont de Nemours and Company

Company Contact: Rebecca M. Ashley
Rebecca.m.ashley@usa.dupont.com

PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

21 Day Screen Start Date: 10/7/08 ^{4/9/08}

Experts In-Processing Signature: _____ Date _____

Fee Paid: Yes ☒

Division management contacted on issues No _____ Yes _____ Date _____

EPA Reg. Number: <u>352-T06</u>		EPA Receipt Date: <u>10-1-08</u>								
Items for Review				Yes	No	N/A*				
1	Application Form (EPA Form 8570-1) signed & complete including package type			<input checked="" type="checkbox"/>						
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			<input checked="" type="checkbox"/>						
	a) All inerts, except fragrances, approved for food and <u>non food</u> proposed uses (see Footnote A) <table border="1" style="float: right; margin-left: 10px;"> <tr> <td style="width: 50px;">yes</td> <td style="width: 50px;">no</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>			yes	no	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
yes	no									
<input checked="" type="checkbox"/>	<input type="checkbox"/>									
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			<input checked="" type="checkbox"/>						
	Certificate and data matrix consistent			<input checked="" type="checkbox"/>						
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)			<input type="checkbox"/>	<input type="checkbox"/>					
	If applicable, is there a letter of Authorization for exclusive use only.									
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					<input checked="" type="checkbox"/>				
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			<input checked="" type="checkbox"/>						
5	a) Selective Method (Fee category experts use) <table border="1" style="float: right; margin-left: 10px;"> <tr> <td style="width: 50px;">yes</td> <td style="width: 50px;">no</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>			yes	no	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
yes	no									
<input checked="" type="checkbox"/>	<input type="checkbox"/>									
	b) Cite-All (Fee category experts use)									
	c) Applicant owns all data (Fee category experts use)									
6	5 Copies of Label (Electronic labels on CD are encouraged)			<input checked="" type="checkbox"/>						
7	Is the data package consistent with PR Notice 86-5									
8	Notice of Filing (link to included with petitions									

9	If applicable for conventional applications, reduced risk rationale	
10	<u>Required Data and/or data waivers. See Footnote C.</u>	
	a) List study (or studies) not included with application	
Comments:		

* N/A – Not Applicable

Footnotes

A. This consideration does not apply to PRIA applications that include a request to approve an inert in the fee category. For these PRIA actions, information needs to be submitted to enable the Agency to review the inert approval request and will be a subject of the 21 day content screen. For other types of actions and for fragrances, the answer is only for the Agency's information and current policies, processes, and procedures should be consulted. This worksheet will be updated in the future to be consistent with current policies.

If brand, trade, or proprietary names are being used for some inert ingredients listed on the CSF, alternate names or additional information on the nature of the ingredient(s) should be provided to allow the Agency to determine whether the inert has been approved.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Refer to the list of data requirements. Biopesticide applicants were advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

October 6, 2008

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OPP Decision Number: D-400969
EPA File Symbol or Registration Number: 352-TOG
Product Name: DPX-MAT28 240SL TURF HERBICIDE
EPA Receipt Date: 01-Oct-2008
EPA Company Number: 352
Company Name: E. I. DU PONT DE NEMOURS AND CO., INC.

JACOB VUKICH
E. I. DU PONT DE NEMOURS AND CO., INC.
DUPONT CROP PROTECTION (S300/427)
STINE-HASKELL RESEARCH CTR., 1090 ELKTON RD., PO Box 30
NEWARK, DE 19714-0030

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R060.0

NEW AI;NON-FOOD USE;OUTDOOR;NO FEE: LINKED TO A PRIA APPLICATION;

Please note that there is no fee associated with this action. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Sincerely,

A handwritten signature in cursive script, reading "Teresa Downs", is written over the typed name.

Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

W
{837349M~

This package includes the following

☒ New Registration

☐ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.

25

Receipt No.

S-

837349

EPA File Symbol/Reg. No.

352-TOG

Pin-Punch Date:

10/1/2008

☐ This item is NOT subject to FFS action.

Action Code:

Requested:

ROBO

Granted:

ROBO,0

Amount Due: \$ 0

Parent/Child Decisions:

Parent 352-TEE

☒ Inerts approved for non-
Inert Cleared for Intended Use

☐ Uncleared Inert in Product
A-Dehesan 10/3/08

Reviewer:

RT Kumar

Date:

10-6-08

Remarks:

Receipt for Section 3

S: 837349 Resolution: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3 Fee For Service: ☒ Yes ☐ No

Application Type: New Registration Billable: ☒ Yes ☐ No



Company: 352 E. I. DU PONT DE NEMOURS AND CO., INC. V



Risk Manager: Registration Division, Risk Management Team 25

Product #: 352-TOG Product Name: DPX-MAT28 240SL TURF HERBICIDE

Override:

Me Too Section3: Me Too Product Name:

Application Date: 29-Sep-2008  OPP Rec'd Date: 01-Oct-2008 

Front End Date: 03-Oct-2008  Risk Manager Send Date: 

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Fast Track: ☐ New Ingredient: ☐

Receipt Description:

Application for registration of an end-use product containing a previously unregistered active ingredient

Form A: ☐ Signature Date: Form B: ☐ Signature Date:

New Ingredient Request Date:

New Ingredient Received Date:

Receipt Content: Study

Print Letter

Enter More Information

Tracking



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

CONFIDENTIAL BUSINESS CORRESPONDENCE

ACTION: NEW ACTIVE INGREDIENT, NON-FOOD USE, OUTDOOR;

FEE CATEGORY: R060

REGISTRATION FEE: \$358,700

E-mail Contact: DuPont.USRegFee@usa.dupont.com

September 29, 2008

Mr. Dan Kenny
Document Processing Desk, REGFEE
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

SUBJECT: Application for Registration of Products Containing a New Herbicidal Active Ingredient for Terrestrial Outdoor Non-Food Uses

Dear Mr. Kenny,

E. I. DuPont de Nemours and Company (DuPont) herein submits applications for registration of the following technical products, manufacturing use products and end-use products containing DPX-MAT28, (common name: aminocyclopyrachlor), an active ingredient not previously registered in the United States:

DuPont™ DPX-MAT28 Technical Herbicide
DuPont™ DPX-KJM44 Technical Herbicide
DuPont™ DPX-KJM44 80 MUP Herbicide

End-Use Products for use on Terrestrial Non-Crop Site Use

DuPont™ DPX-KJM44 80XP Herbicide
DuPont™ DPX-MAT28 240SL Herbicide
DuPont™ DPX-MAT28 50SG Herbicide
DuPont™ DPX-Q2B37 Herbicide
DuPont™ DPX-Q2B38 Herbicide
DuPont™ DPX-Q2B39 Herbicide
DuPont™ DPX-QKJ02 Herbicide

End-Use Products for Professional and Consumer Turf Use

DuPont™ DPX-KJM44 80XP Turf Herbicide
DuPont™ DPX-MAT28 240SL Turf Herbicide
DuPont™ DPX-MAT28 50SG Turf Herbicide
DuPont™ DPX-KJM44 10% Manufacturing Concentrate
DuPont™ DPX-MAT28 10% Manufacturing Concentrate
DuPont™ DPX-KJM44 0.064G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.05G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

This application covers non-food uses (PRIA Fee Category R060). According to EPA's PRIA fee policy "all non-food uses are covered are covered by the base fee for that application". Therefore, DuPont proposes the PRIA fee for this submission to be \$358,700. The end-use products containing this new active ingredient are to be registered for the following uses:

Terrestrial Non-crop: including private, public and military lands as follows: uncultivated non-agricultural areas (such as airports, highway, railroad and utility rights-of-way, sewage disposal areas, etc.); uncultivated agricultural areas - non-crop producing (such as farmyards, fuel storage areas, fence rows, non-irrigation ditchbanks, barrier strips, etc.); industrial sites - outdoor (such as lumberyards, pipeline and tank farms, etc.) and natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads, and trails), golf course turf grass, athletic fields, recreational areas, sod/turf farms.

Domestic Outdoor: Landscape turf grass

DuPont is simultaneously submitting identical applications to the California Department of Pesticide Regulation (CDPR). We hereby request that the Agency support and cooperate with CDPR to enable a rapid review and approval at the state level.

To support registration of the above products, we are herein submitting the required guideline data (19 boxes) and three copies of each of the following administrative materials:

An Administrative Volume for DuPont™ DPX-MAT28 Technical Herbicide, DuPont™ DPX-KJM44 Technical Herbicide, and DuPont™ DPX-KJM44 80 MUP Herbicide. Included with this volume are summary documents of the guideline data submitted for physical/chemical properties, toxicology, ecotoxicology and environmental fate.

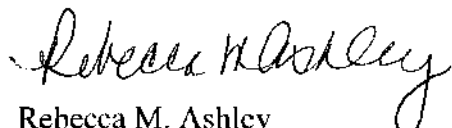
Three copies of an Administrative Volume for each of the following products:

DuPont™ DPX-KJM44 80XP Herbicide
DuPont™ DPX-MAT28 240SL Herbicide
DuPont™ DPX-MAT28 50SG Herbicide
DuPont™ DPX-Q2B37 Herbicide
DuPont™ DPX-Q2B38 Herbicide
DuPont™ DPX-Q2B39 Herbicide
DuPont™ DPX-QKJ02 Herbicide
DuPont™ DPX-KJM44 80XP Turf Herbicide
DuPont™ DPX-MAT28 240SL Turf Herbicide
DuPont™ DPX-MAT28 50SG Turf Herbicide
DuPont™ DPX-KJM44 10% Manufacturing Concentrate
DuPont™ DPX-MAT28 10% Manufacturing Concentrate
DuPont™ DPX-KJM44 0.064G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.05G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

If you have any questions regarding this application for registration please contact me at 302-451-0829. I can also be reached via FAX at 302-351-7035 or e-mail at Rebecca.m.ashley@usa.dupont.com.

Sincerely,

A handwritten signature in cursive script that reads "Rebecca M. Ashley".

Rebecca M. Ashley
Product Registration Manager
DuPont Crop Protection



DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

DATA TRANSMITTAL DOCUMENT

Name & Address of Submitter:

E. I. du Pont de Nemours and Company
DuPont Crop Protection
Attention: Rebecca M. Ashley
Stine-Haskell Research Center
P. O. Box 30
Newark, DE 19714-0030

Regulatory Action in Support of Which This Package is Submitted:

Information submitted in support of Registration of a New Active Ingredient
(Aminocyclopyrachlor – DPX-MAT28) and its associated technical, manufacturing use and end-use products.

Product Names:

DuPont™ DPX-MAT28 Technical herbicide	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 Technical herbicide	DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 80 MUP herbicide	DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 80XP Herbicide	DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 240SL Herbicide	DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 50SG Herbicide	DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-Q2B37 Herbicide	DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-Q2B38 Herbicide	DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-Q2B39 Herbicide	DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-QKJ02 Herbicide	DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 80XP Turf Herbicide	DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 240SL Turf Herbicide	DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 50SG Turf Herbicide	DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 10% Manufacturing Concentrate	DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 10% Manufacturing Concentrate	DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer	DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

EPA Registration Nos. to be assigned

Transmittal Date: September 29, 2008

Studies Submitted:

Guideline number	Title	Study ID	MRID
830.1550, 830.1750	Aminocyclopyrachlor (DPX-MAT28) identity, composition, and certified limits (Confidential And Non-Confidential)	DuPont-23884	
830.1600, 830.1620, 830.1671	Technical grade aminocyclopyrachlor (DPX-MAT28) manufacturing description and formation of impurities (Confidential And Non-Confidential)	DuPont-23883	
830.1700	Batch analysis of aminocyclopyrachlor (DPX-MAT28) technical produced at the DuPont Stine-Haskell Research Center in Newark, Delaware, USA, DuPont experimental Station in Wilmington, Delaware, USA, and the Albemarle, Tyrone, Pennsylvania, USA (Confidential And Non-Confidential)	DuPont-23482	
830.1700	Batch chromatograms from the analysis of product ingredients in aminocyclopyrachlor (DPX-MAT28) technical produced at the DuPont Stine-Haskell Research Center in Newark, Delaware, USA, DuPont experimental station in Wilmington, Delaware, USA, and the Albemarle Tyrone, Pennsylvania, USA, Supplement 1 (Confidential And Non-Confidential)	DuPont-23482 SU1	
830.1700 830.1800	Determination of aminocyclopyrachlor (DPX-MAT28) in technical grade aminocyclopyrachlor	DuPont-22041	
830.1700 830.1800	Description and validation of the analytical methods for determination of impurities in technical grade aminocyclopyrachlor (DPX-MAT28) (Confidential And Non-Confidential)	DuPont-23606	
830.1800	Validation of the analytical method for determination of aminocyclopyrachlor (DPX-MAT28) in technical grade aminocyclopyrachlor (Confidential And Non-Confidential)	DuPont-23479	
830.6302, 830.6303, 830.6304, 830.7200, 830.7220, 830.7300	DPX-MAT28: Laboratory study of physicochemical properties for a. color b. odor c. physical state d. melting point e. boiling point/decomposition f. relative density (pai)	DuPont-23196	
830.6302, 830.6303, 830.6304, 830.7200, 830.7300	DPX-MAT28: Laboratory study of physicochemical properties for a. Color b. Odor c. Physical state d. Melting point e. Boiling point/decomposition f. Relative density g. Bulk density	DuPont-22551	
830.6313	DPX-MAT28: Stability to normal and elevated temperatures, metals, and metal ions	DuPont-22539	

Guideline number	Title	Study ID	MRID
830.6314, 830.6315, 830.6316	DPX-MAT28: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature	DuPont-22807	
830.7000	DPX-MAT28: Laboratory study of pH	DuPont-22543	
830.7050	DPX-MAT28: Laboratory study of UV-VIS absorption spectrum and molar absorptivity	DuPont-22536	
830.7370	DPX-MAT28: Laboratory study of dissociation constants in water	DuPont-22555	
830.7550	DPX-MAT28: Laboratory study of n-octanol/ water partition coefficient	DuPont-22544	
830.7840	DPX-MAT28: Laboratory study of water solubility	DuPont-22541	
830.7860	DPX-MAT28: Solubility in organic solvents	DuPont-22542	
830.7950	DPX-MAT28: Laboratory study of vapour pressure	DuPont-22537	
NA	DPX-MAT28 (PAI): Spectra (mass spectrum, infrared spectrum, and NMR)	DuPont-22540	
NA	DPX-MAT28: Volatility, calculation of Henry's law constant	DuPont-22545	
830.1550, 830.1750	Aminocyclopyrachlor methyl ester (DPX-KJM44) identity, composition, and certified limits (Confidential And Non-Confidential)	DuPont-23882	
830.1600, 830.1620, 830.1671	Technical grade aminocyclopyrachlor methyl ester (DPX-KJM44) manufacturing description and formation of impurities (Confidential And Non-Confidential)	DuPont-23881	
830.1700	Batch analysis of aminocyclopyrachlor methyl ethyl (DPX-KJM44) technical produced at the DuPont Experimental Station in Wilmington, Delaware, USA, and the Albemarle, Tyrone, Pennsylvania, USA manufacturing facility (Confidential And Non-Confidential)	DuPont-23481	
830.1700	Batch analysis of aminocyclopyrachlor methyl ethyl (DPX-KJM44) technical produced at the DuPont Experimental Station in Wilmington, Delaware, USA, and the Albemarle, Tyrone, Pennsylvania, USA manufacturing facility, Supplement 1 (Confidential And Non-Confidential)	DuPont-23481 SU1	
830.1800	Determination of aminocyclopyrachlor methyl (DPX-KJM44) in technical grade aminocyclopyrachlor methyl	DuPont-22860	
830.1700 830.1800	Description and validation of the analytical methods for determination of impurities in technical grade aminocyclopyrachlor methyl (DPX-KJM44)	DuPont-23605	

Guideline number	Title	Study ID	MRID
830.1800	Validation of the Analytical Method for Determination of Aminocyclopyrachlor methyl (DPX-KJM44) in Technical Grade Aminocyclopyrachlor methyl (Confidential And Non-Confidential)	DuPont-23480	
830.6302, 830.6303, 830.6304, 830.7200, 830.7220, 830.7300	DPX-KJM44: Laboratory study of physicochemical properties for a. color b. odor c. physical state d. melting point e. boiling point/decomposition f. relative density (pai)	DuPont-23307	
830.6302, 830.6303, 830.6304, 830.7300	DPX-KJM44: Laboratory study of physicochemical properties for a. color, b. odor, c. physical state, d. bulk density	DuPont-22552	
830.6313	DPX-KJM44: Stability to normal and elevated temperatures, metals and metal ions	DuPont-22549	
830.6314, 830.6315, 830.6316	DPX-KJM44: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature	DuPont-22806	
830.7000	DPX-KJM44: Laboratory study of pH	DuPont-22532	
830.7050	DPX-KJM44: Laboratory study of UV-VIS absorption spectrum and molar absorptivity	DuPont-22546	
830.7550	DPX-KJM44: Laboratory study of n-octanol/water partition coefficient	DuPont-22533	
830.7840	DPX-KJM44: Laboratory study of water solubility	DuPont-22530	
830.7860	DPX-KJM44: Solubility in organic solvents	DuPont-22531	
830.7950	DPX-KJM44 (PAI): Laboratory study of vapour pressure	DuPont-22547	
NA	DPX-KJM44: Volatility, calculation of Henry's law constant	DuPont-22534 RV1	
NA	DPX-KJM44 (PAI): Spectra (mass spectrum, infrared spectrum, and nmr)	DuPont-22550	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl (DPX-KJM44) 80WG (Confidential And Non-Confidential)	DuPont-23547	
830.1800	Determination of aminocyclopyrachlor methyl (DPX KJM44) In aminocyclopyrachlor methyl WG end-use products	DuPont-26789	

Guideline number	Title	Study ID	MRID
830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.7300, 830.7100, 830.7300	DPX-KJM44 80WG water-dispersible granular formulation (80%): Laboratory study of physical and chemical properties	DuPont-22858	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750,	Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 240SL (Confidential And Non-Confidential)	DuPont-22902	
830.1800	Determination of aminocyclopyrachlor (DPX-MAT28) in aminocyclopyrachlor SL end-use products	DuPont-26787	
830.6302, 830.6303, 830.6304, 830.6315, 830.6316, 830.7000, 830.7100, 830.7300	DPX-MAT28 SL (21.2% active w/w) End-use product soluble concentrate formulation: Laboratory Study of physical and chemical characteristics	DuPont-22853	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 50SG (Confidential And Non-Confidential)	DuPont-26442	
830.1800	Determination of aminocyclopyrachlor (DPX-MAT28) in aminocyclopyrachlor (MAT28) SG end use products	DuPont-26788	

Guideline number	Title	Study ID	MRID
830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.6320, 830.6321 830.7000, 830.7100, 830.7300	DPX-MAT28 50SG water soluble granule formulation: Laboratory study of physical and chemical properties	DuPont-25694	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product DuPont™ aminocyclopyrachlor methyl (DPX-KJM44) 10% manufacturing use product (Confidential And Non-Confidential)	DuPont-22901	
830.6302 830.6303 830.6304 830.7000 830.7300	DPX-KJM44 10% MUP: Laboratory study of physicochemical properties for color, odor, physical state, relative density, bulk density, and pH	DuPont-24544	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl (DPX-KJM44) granules	DuPont-22900	
830.6302, 830.6303, 830.6304, 830.7000, and 830.7300	DPX-KJM44 granular (fertilizer) formulation (0.06% a.i. content): Laboratory study of physical and chemical properties	DuPont-24573	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG/Sulfometuron methyl 75WG (DPX-Q2B37), a blend of water dispersible granules (42.1% + 11.9% + 23.7% active) (Confidential And Non-Confidential)	DuPont-25708	

Guideline number	Title	Study ID	MRID
830.1800	Determination of chlorsulfuron (DPX-W4189), sulfometuron methyl (DPX-T5648), and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-Q2B37 WG end-use product: aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG/sulfometuron methyl 75WG (DPX-Q2B37), a blend of water dispersible granules (42.1% + 11.9% + 23.7% active)	DuPont-24665	
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX Q2B37) blend of extruded water dispersible granular formulations (42.07/11.89/23.67% a.i. ratio): laboratory study of physical and chemical properties	DuPont-24660	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/imazapyr 75WG/metsulfuron methyl 60WG (DPX-Q2B38), a blend of water dispersible granules (28.7% + 37.3% + 8.6% active) (Confidential And Non-Confidential)	DuPont-25709	
830.1800	Determination of imazapyr (DPX-A7586), metsulfuron methyl (DPX-T6376), and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-Q2B38 WG end-use product: aminocyclopyrachlor methyl 80WG/imazapyr 75WG/metsulfuron methyl 60WG (DPX-Q2B38), a blend of water dispersible granules (28.7% + 37.3% + 8.6% active)	DuPont-25664	
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) blend of extruded water-dispersible granular formulations (28.71/37.32/8.61% a.i. ratio): laboratory study of physical and chemical properties	DuPont-24658	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/metsulfuron methyl 60WG (DPX-Q2B39), a blend of water dispersible granules (57.1% + 17.2% active) (Confidential And Non-Confidential)	DuPont-25436	
830.1800	Determination of metsulfuron methyl (DPX-T6376) and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-Q2B39 WG end-use product: aminocyclopyrachlor methyl 80WG/metsulfuron methyl 60WG (DPX-Q2B39), a blend of water dispersible granules (57.1% + 17.2% active)	DuPont-25712	

Guideline number	Title	Study ID	MRID
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/ Metsulfuron Methyl 60WG (DPX Q2B39) blend of extruded water-dispersible granular formulations (57.14/17.14% a.i. ratio): laboratory study of physical and chemical properties	DuPont-25710	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG (DPX-QKJ02), a blend of water dispersible granules (57.1% + 21.4% active) (Confidential And Non- Confidential)	DuPont-25716	
830.1800	Determination of chlorsulfuron (W4189) and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-QKJ02 WG end-use product: aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG (DPX-QKJ02), a blend of water dispersible granules (57.1% + 21.4% active)	DuPont-24666	
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/ Chlorsulfuron 75WG (DPX QKJ02) blend of extruded water-dispersible granular formulations (57.14/21.43% a.i. ratio): laboratory study of physical and chemical properties	DuPont-24662	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX- MAT28) 10% Manufacturing Use Product	DuPont-26398	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX- MAT28) Granules	DuPont-26937	
830.1800	Determination of Aminocyclopyrachlor Methyl Ester (DPX-KJM44), Aminocyclopyrachlor (DPX- MAT28), Imazapyr (DPX A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) In DPX- Q6H73 WG, A Paste-Extruded Blend, and Other End Use Products...	DuPont-26797	

Guideline number	Title	Study ID	MRID
830.1800	Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, a Paste-Extruded Blend, Aminocyclopyrachlor methyl (DPX KJM44) Water Dispersible Granule Formulations (WG), Aminocyclopyrachlor (DPX-MAT28) Water Soluble Granule Formulations (SG), Aminocyclopyrachlor (DPX-MAT28) Soluble Concentrate Formulations (SL) and Other End Use Products (Confidential And Non-Confidential)	DuPont-26105	
870.1100	DPX-MAT28 Technical: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure	DuPont-22371	
870.1200	DPX-MAT28 Technical: Acute Dermal Toxicity Study in Rats	DuPont-22370	
870.1300	DPX-MAT28 Technical: Inhalation Median Lethal Concentration (LC50) Study in Rats	DuPont-22373	
870.2400	DPX-MAT28 Technical: Acute Eye Irritation Study in Rabbits	DuPont-22372	
870.2500	DPX-MAT28 Technical: Acute Dermal Irritation Study in Rabbits	DuPont-22369	
870.2600	DPX-MAT28 Technical: Local Lymph Node Assay (LLNA) in Mice	DuPont-22374	
870.6200	DPX-MAT28 Technical: Acute neurotoxicity test waiver	DuPont-26828	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in rats (2 volumes)	Dupont-21490	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in rats, Supplement 1	Dupont-21490 SU1	
870.3100	DPX-KJM44 technical: Subchronic toxicity 90 day feeding study in rats (3 volumes)	Dupont-22570	
870.3100	DPX-KJM44 technical: Subchronic toxicity 90 day feeding study in rats, Supplement 1	Dupont-22570 SU1	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in mice (2 volumes)	DuPont-21491	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in mice , Supplement 1	DuPont-21491 SU1	
870.3150	DPX-MAT28 technical: Subchronic toxicity 90-day feeding study in dog (3 volumes)	DuPont-21489 RV1	
870.3150	DPX MAT28 technical: Subchronic toxicity 90 day feeding study in dogs, Supplement 1	DuPont-21489 SU1	
870.3200	DPX-MAT28 Technical: Dermal toxicity study (28 day repeat dermal application study in rats)	DuPont-22796	

Guideline number	Title	Study ID	MRID
870.3700	A prenatal developmental toxicity study of DPX-MAT28 in rabbits (2 volumes)	DuPont-22377 RV2	
870.3700	DPX-MAT28 Technical: Developmental Toxicity Study in Rats (2 volumes)	DuPont-22378	
870.3800	DPX-MAT28 Technical: Multi-generation Reproduction Study in Rats (7 volumes)	DuPont-22032 RV1	
870.3800	IN-KJM44: One-generation reproduction study in rats (3 volumes)	DuPont-17315	
870.5100	DPX-MAT28 Technical: Bacterial Reverse Mutation Assay	DuPont-22712	
870.5300	DPX-MAT28 Technical: In Vitro Mammalian Cell Gene Mutation Test	DuPont-22714	
870.5375	DPX-MAT28 Technical: In Vitro Mammalian Chromosome Aberration	DuPont-22709	
870.5395	DPX-MAT28 Technical: Mouse Bone Marrow Erythrocyte Micronucleus Test	DuPont-22711	
870.7485	14C-DPX-MAT28: Plasma pharmacokinetics and pilot material balance in male and female rats	DuPont-22033	
870.7486	14C-DPX-KJM44: Plasma pharmacokinetics and pilot material balance in male and female rats	DuPont-22375	
870.7800	DPX-MAT28 Technical: 28-Day immunotoxicity feeding study in male rats	DuPont-22794	
870.7800	DPX-MAT28 Technical: 28-Day immunotoxicity feeding study in male mice	DuPont-22795	
870.1100	DPX-KJM44 Technical: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure	DuPont-22950	
870.1200	DPX-KJM44 Technical: Acute Dermal Toxicity Study in Rats	DuPont-22951 RV1	
870.1300	DPX-KJM44 Technical: Acute inhalation toxicology test waiver	DuPont-26475	
870.2400	DPX-KJM44 Technical: Acute Eye Irritation Study in Rabbits	DuPont-23435	
870.2500	DPX-KJM44 Technical: Acute Dermal Irritation Study in Rabbits	DuPont-22952, RV1	
870.2600	DPX-KJM44 Technical: Local Lymph Node Assay (LLNA) in Mice	DuPont-23436	
870.5100	IN-KJM44: Bacterial reverse mutation test	DuPont-17971	
870.1100	DPX-KJM44 80WG: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure	DuPont-23033	
870.1200	DPX-KJM44 80WG: Acute Dermal Toxicity Study in Rats	DuPont-23032	
870.1300	DPX-KJM44 80WG: Acute inhalation toxicology test waiver	DuPont-26473	
870.2400	DPX-KJM44 80WG: Acute Eye Irritation Study in Rabbits	DuPont-23034	

Guideline number	Title	Study ID	MRID
870.2500	DPX-KJM44 80WG: Acute Dermal Irritation Study in Rabbits	DuPont-23031	
870.2600	DPX-KJM44 80WG: Local Lymph Node Assay (LLNA) in Mice	DuPont-23035	
870.1100	DPX-MAT28 240 g/L SL: Acute oral toxicity study in rats - up-and-down procedure	DuPont-22787	
870.1200	DPX-MAT28 240 g/L SL: Acute Dermal Toxicity Study in Rat	DuPont-23692	
870.1300	Acute inhalation toxicity study of DPX-MAT28 21.9SL in albino rats	DuPont-22791	
870.2400	DPX-MAT28 240 g/L SL: Acute Eye Irritation Study in Rabbits	DuPont-22789	
870.2500	DPX-MAT28 240 g/L SL: Acute Dermal Irritation Study in Rabbits	DuPont-23693	
870.2600	DPX-MAT28 240 g/L SL: Local Lymph Node Assay (LLNA) in Mice	DuPont-22788	
830.1750	Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Dermal Toxicity in Rats	DuPont-25700	
870.1300	DPX-MAT28 50SG: Acute inhalation toxicology test waiver	DuPont-26474	
870.2400	Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Eye Irritation in Rabbits	DuPont-25701	
870.2500	Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Skin Irritation in Rabbits	DuPont-25702	
870.2600	Aminocyclopyrachlor (DPX-MAT28) 50SG: Local lymph node assay (LLNA) in mice	DuPont-25703	
830.1670,	Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Oral Toxicity - Up-And-Down Procedure in Rats	DuPont-25699	
870.1100	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Oral Toxicity – Up-And-Down Procedure in Rats	DuPont-24511	
870.1200	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Dermal Toxicity in Rats	DuPont-24510	
870.1300	DPX-KJM44 10 MUP: Acute inhalation toxicology waiver for DPX-KJM44 manufacturing use product	DuPont-24835	
870.2400	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Primary Eye Irritation in Rabbits	DuPont-24508	
870.2500	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Primary Skin Irritation in Rabbits	DuPont-24509	

Guideline number	Title	Study ID	MRID
870.2600	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK manufacturing use product: Local lymph node assay (LLNA) in mice	DuPont-24507	
850.2100	DPX-MAT28 Technical: An Acute Oral Toxicity Study with the Northern Bobwhite	DuPont-22031	
850.2200	DPX-MAT28 Technical: A Dietary LC50 Study with the Mallard	Dupont-22380	
850.2200	DPX-MAT28 Technical: A Dietary LC50 Study with the Northern Bobwhite	Dupont-22381	
850.2300, (71-4)	DPX-MAT28 Technical: A reproduction study with the northern bobwhite	DuPont-22524	
850.2300, (71-4)	DPX-MAT28 Technical: A reproduction study with the mallard	DuPont-22422	
850.1075	DPX-MAT28 technical A 96-hour static acute toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>)	Dupont-22383	
850.1075	DPX-MAT28 technical: A 96-hour static acute toxicity test with the bluegill (<i>Lepomis macrochirus</i>)	DuPont-22384	
850.1075	DPX-MAT28 Technical: A 96 hour static acute toxicity test with the sheepshead minnow (<i>Cyprinodon variegatus</i>)	DuPont-22385	
850.1010	DPX-MAT28 technical A 48-hour static acute toxicity test with the cladoceran (<i>Daphnia magna</i>)	DuPont-22415	
850.1025	DPX-MAT28 technical A 96-hour shell deposition test with the eastern oyster (<i>Crassostrea virginica</i>)	DuPont-22707	
850.1035	DPX-MAT28 Technical: A 96 hour static acute toxicity test with the saltwater mysid (<i>Americamysis bahia</i>)	DuPont-22417	
850.1300	DPX-MAT28 Technical: A Semi-Static Life-Cycle Toxicity Test with the Cladoceran <i>Daphnia magna</i>	DuPont-22708	
850.1400	DPX-MAT28 Technical: An early life-stage toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>)	DuPont-22706	
850.3020	DPX-MAT28 technical: Acute oral and contact toxicity to the honey bee, <i>Apis mellifera</i> L.	DuPont-22413	
850.4100 (122-1), 850.4200 (123-1)	DPX-KJM44 80WG: A greenhouse study to investigate the effects on seedling emergence and growth of ten terrestrial plants following soil exposure	DuPont-22802	
850.4150 (122-1), 850.4250 (123-1)	DPX-KJM44 80WG: A greenhouse study to investigate the effects on vegetative vigor of ten terrestrial plants	DuPont-22801 RV1	
850.4400	DPX-MAT28 Technical: A 7-day static-renewal toxicity test with duckweed (<i>Lemna gibba</i> G3)	DuPont-22412	

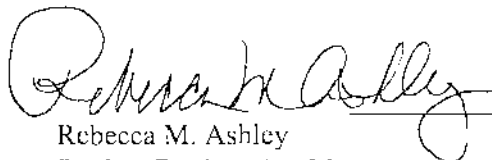
Guideline number	Title	Study ID	MRID
850.5400	DPX-MAT28 Technical: A 96-hour toxicity test with the freshwater alga (<i>Anabena flos-aquae</i>)	DuPont-22408	
850.5400	DPX-MAT28 Technical: A 96-hour toxicity test with the marine diatom (<i>Skeletonema costatum</i>)	DuPont-22409	
850.5400	DPX-MAT28 Technical: A 72-hour toxicity test with the freshwater alga (<i>Pseudokirchneriella subcapitata</i>)	DuPont-22410 RV1	
850.5400	DPX-MAT28 Technical: A 96-hour toxicity test with the freshwater diatom (<i>Navicula pelliculosa</i>)	DuPont-22411	
850.2100	DPX-KJM44 Technical: An acute oral toxicity study with the northern bobwhite (<i>Colinus virginianus</i>)	DuPont-22800	
850.1075	DPX-KJM44 technical: A 96-hour static-renewal acute toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>)	DuPont-22793	
850.1010	DPX-KJM44 Technical: A 48-hour static-renewal acute toxicity test with the cladoceran (<i>Daphnia magna</i>)	DuPont-22416	
NA	DPX-KJM44 Technical: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	DuPont-22418	
875.2000 875.2100	Dissipation of turf transferable residues of DPX-KJM44 and IN-MAT28 following a single application of DPX-KJM44 80 WDG to turf	Dupont-22432	
835.2120, 161-1	14C-DPX-MAT28: Laboratory study of hydrolysis as a function of pH	DuPont-22116	
835.2240	Photodegradation of [Pyrimidine-2-14C]DPX-MAT28 in pH 4 Buffer and Natural Water by Simulated Sunlight, Revision 1	DuPont-22117 RV1	
835.2240	Photodegradation of [Pyrimidine-2-14C]DPX-KJM44 in pH 4 Buffer by Simulated Sunlight	DuPont-23455	
835.2410, 161-3	Photodegradation of [pyrimidine-2-14C]DPX-MAT28 on soil	DuPont-22118	
835.4100	Aerobic Soil Metabolism of DPX-KJM44 (DPX-MAT28 Methyl Ester) in Soil	DuPont-22435	
835.4200, 162-2	Anaerobic soil metabolism of [14C]-DPX-MAT28	DuPont-22436	
835.5300, 162-4	Aerobic aquatic metabolism of [Pyrimidine-2-14C]-DPX-MAT28 in two water/sediment systems	DuPont-22115	
835.4400 162-3	Anaerobic aquatic metabolism of [Pyrimidine-2-14C]-DPX-MAT28 in a water/sediment system	DuPont-22114	
835.1230, 163-1	14C-DPX-KJM44: Batch equilibrium (adsorption/desorption) in five soils	DuPont-22368	
835.1230, 163-1	14C-DPX-MAT28: batch equilibrium (adsorption/desorption) in five soils	DuPont-22433	
835.1230, 163-1	Screening of soils for adsorption / desorption characteristics of 14C-DPX-MAT28	DuPont-25432	

Guideline number	Title	Study ID	MRID
NA	Rate of degradation of [14C]-DPX-MAT28 in three aerobic soils	DuPont-22119	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 on Turf in Georgia, U.S.A.	DuPont-22526 RV2	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Turf in Ontario, Canada	DuPont-22529 RV1	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Ontario, Canada (Interim Report)	DuPont-22527 IM	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in California, USA (Interim Report)	DuPont-22528 IM	
850.7100	Analytical method for the determination of DPX-KJM44, DPX-MAT28, and metabolite in soil using LC/MS/MS	DuPont-22043 RV1	
850.7100	Analytical Method for the Determination of DPX-KJM44, DPX MAT28, IN-LXT69 and IN-QFH57 in Soil Using LC/MS/MS, Supplement 1	DuPont-22043 SU1	
850.7100	Analytical Method for the Determination and Monitoring of DPX MAT28, DPX-KJM44 and IN-LXT69 in Soil Using LC/MS/MS	DuPont-24809	
850.7100	Analytical Method for the Determination of DPX-KJM44, DPX MAT28, and Metabolite in Turf Using LC/MS/MS	DuPont-22584	
850.7100	Analytical Method for the Determination of DPX-KJM44, DPX MAT28, IN-LXT69, and IN-QFH57 in Water Using LC/MS/MS	DuPont-22042	
850.7100	Bridging of Extraction Efficiency of DPX-KJM44 (Methyl Ester of DPX-MAT28) and Degradation Products from Extraction Procedures Described in DuPont-22043 and DuPont-22435	DuPont-22583	
NA	Analytical Method for the Determination of DPX-KJM44 (Methyl Ester of DPX-MAT28) and IN-LXT69 in Charcoal Air Sampling Tubes Using LC-MS/MS	DuPont-23735	
850.7100	Independent laboratory validation of analytical method DuPont-22043 for the determination of DPX-KJM44, DPX-MAT28, IN-LXT69 and IN-QFH57 in soil using LC-MS/MS	DuPont-24563	
860.1340	Analytical method for the determination of DPX-KJM44 and DPX-MAT28 in cloth using LC/MS/MS	DuPont-22768	
NA	Analytical Method Verification and Determination of the Solubility and Stability of DPX-MAT28 in Freshwater, Saltwater and 20XAAP Media	DuPont-22601	

Guideline number	Title	Study ID	MRID
830.6302, 830.6303, 830.6304, 830.6314, 830.6317 830.6320 830.7000 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability	SS-189	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317 830.6320 830.7000 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability	SS-192	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317 830.6320 830.7000 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability	SS-193	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317 830.6320 830.7000 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability	SS-189	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317 830.6320 830.7000 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability	SS-196	

Guideline number	Title	Study ID	MRID
830.6302,	Physical and Chemical Characteristics: Color,	SS-200	
830.6303,	Physical State, Odor, Oxidation/Reduction		
830.6304,	Potential, pH, Bulk Density, Corrosion and Storage		
830.6314,	Stability		
830.6317			
830.6320			
830.7000			
830.7300			
870.2400	Primary Eye Irritation Study in Rabbits	25921	

Submitter:

 Date: Sept. 29, 2008
Rebecca M. Ashley
Product Registration Manager

Company Name:

E. I. du Pont de Nemours and Company

Company Contact:

Rebecca M. Ashley
Rebecca.m.ashley@usa.dupont.com

SUBJECT: Application for Registration of New Pesticide End-Use Product
"DuPont™ DPX-MAT28 240SL Turf Herbicide"
EPA File Symbol 352-xxx (to be assigned)

E.I. DuPont de Nemours and Company is herein applying for registration of **"DuPont™ DPX-MAT28 240SL Turf Herbicide"**, a new end-use product to be used for outdoor non-food use. This new product contains a nominal active ingredient content of 25.0% Potassium salt of aminocyclopyrachlor (21.2% acid equivalent aminocyclopyrachlor).

The detailed listing of data/documents submitted herewith to facilitate the registration of **DuPont™ DPX-MAT28 240SL Turf Herbicide**, is as follows:

- A completed "Application for Pesticide Registration", EPA Form 8570-1
 - *Administrative Materials*, including:
 - Proposed Confidential Statement of Formula for **DuPont™ DPX-MAT28 240SL Turf Herbicide**
 - A copy of the proposed labeling for **DuPont™ DPX-MAT28 240SL Turf Herbicide**
 - Discussion of Compliance with 40 CFR 152.50
 - Certification with Respect to Citation of Data
 - *Chemistry Data to support end-use registration – cited (submitted concurrently with Application for New Active Ingredient, Non-Food Use, Outdoor)*

Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 240SL. DuPont- 22902

DPX-MAT28 SL (21.2% active w/w) End-use product soluble concentrate formulation: Laboratory Study of physical and chemical characteristics. DuPont- 22853

Determination of aminocyclopyrachlor (DPX-MAT28) in aminocyclopyrachlor SL end-use products. DuPont- 26787

Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, a Paste-Extruded Blend, Aminocyclopyrachlor methyl (DPX KJM44) Water Dispersible Granule Formulations (WG), Aminocyclopyrachlor (DPX-MAT28) Water Soluble Granule Formulations (SG), Aminocyclopyrachlor (DPX-MAT28) Soluble Concentrate Formulations (SL) and Other End Use Products. DuPont-26105

- *Acute Toxicity Data to support end-use registration – cited (submitted concurrently with Application for New Active Ingredient, Non-Food Use, Outdoor)*

DPX-MAT28 240 g/L SL: Acute oral toxicity study in rats - up-and-down procedure. DuPont- 22787

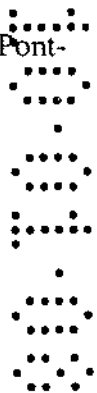
DPX-MAT28 240 g/L SL: Acute Dermal Toxicity Study in Rat. DuPont- 23692

Acute inhalation toxicity study of DPX-MAT28 21.9SL in albino rats. DuPont- 22791

DPX-MAT28 240 g/L SL: Acute Eye Irritation Study in Rabbits. DuPont- 23789

DPX-MAT28 240 g/L SL: Acute Dermal Irritation Study in Rabbits. DuPont- 23693

DPX-MAT28 240 g/L SL: Local Lymph Node Assay (LLNA) in Mice. DuPont- 22788



Compliance with 40 CFR 152.50, "Contents of the Application"

(a) *Application Form*

A completed Application for Pesticide Registration, EPA form 8570-1.

(b) *Identity of the Applicant*

E.I. DuPont de Nemours and Company
DuPont Crop Protection
P.O. Box 30
Newark, DE 19714-0030

Attention: S. K. Theodorakis
Product Registration Manager
302-366-5965 (phone)
Tim.k.theodorakis@usa.dupont.com (e-mail)

(c) *Summary of the Application*

DuPont is herewith applying for registration of the end use product **DuPont™ DPX- MAT28 240SL Turf Herbicide**. The new end-use product is to be registered for outdoor non-food use.

(d) *Identity of the Product*

Product Name: **DuPont™ DPX- MAT28 240SL Turf Herbicide**
EPA Registration Number: 352-xxx (to be assigned)

(e) *Draft Labeling*

Five (5) copies of draft labeling for **DuPont™ DPX- MAT28 240SL Turf Herbicide** are included with this submission for Agency review.

(f) *Registration Data Requirements*

All data requirements specific to this application for a new end-use product registration are fulfilled by submission of data included with this submission, and are included on the submitted Data Matrix form, EPA form 8570-35.

(g) *Certification Relating to Child-Resistant Packaging*

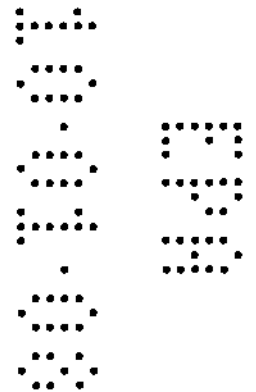
Child-resistant packaging is not required for this product.

(h) *Request for Classification*

"General" use classification is requested.

(i) *Statement Concerning Tolerances*

The uses proposed for **DuPont™ DPX- MAT28 240SL Turf Herbicide** are non-food uses so there are no concerns for tolerances.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Crop Protection Products / PO Box 30 / Newark, DE 19714 Attn: S.K. Theodorakis	E. I. du Pont de Nemours & Co. EPA Registration Number/File Symbol 352-xxx
Active Ingredient(s) and/or representative test compound(s) DPX-MAT28 (Aminocyclopyrachlor)	Date September 29, 2008
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Herbicide for Non-Crop Use; Outdoor	Product Name DuPont DPX-MAT28 240SL Turf Herbicide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

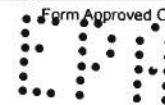
7-29-08

Typed or Printed Name and Title

S.K. Theodorakis, Registration Manager

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM44.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer	

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.1550, 830.1750	Aminocyclopyrachlor (DPX-MAT28) identity, composition, and certified limits (Non-confidential and Confidential). DuPont-23884		352	Own	
830.1600, 830.1620, 830.1671	Technical grade aminocyclopyrachlor (DPX-MAT28) manufacturing description and formation of impurities (Non-confidential and Confidential). DuPont-23883		352	Own	
830.1700	Batch analysis of aminocyclopyrachlor (DPX-MAT28) technical produced at the DuPont Stine-Haskell Research Center in Newark, Delaware, USA, DuPont Experimental Station in Wilmington, Delaware, USA and the Albemarle Tyrone, Pennsylvania, USA manufacturing facility (Non-confidential and Confidential). DuPont-23482		352	Own	
830.1700	Batch chromatograms from the analysis of product ingredients in the aminocyclopyrachlor (DPX-MAT28) technical produced at the DuPont Stine-Haskell Research Center in Newark, Delaware, USA, DuPont Experimental Station in Wilmington, Delaware, USA and the Albemarle Tyrone, Pennsylvania, USA Manufacturing Facility, Supplement I (Non-confidential and Confidential). DuPont-23482 SU1		352	Own	
830.1700, 830.1800	Determination of aminocyclopyrachlor (DPX-MAT28) in technical grade aminocyclopyrachlor. DuPont-22041		352	Own	
830.1700, 830.1800	Description and validation of the analytical methods for determination of impurities in technical grade aminocyclopyrachlor (DPX-MAT28) (Non-confidential and Confidential). DuPont-23606		352	Own	
830.1800	Validation of the analytical method for determination of aminocyclopyrachlor (DPX-MAT28) in technical grade aminocyclopyrachlor (Non-confidential and Confidential). DuPont-23479		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:
E. I. DuPont de Nemours and Company
(Crop Protection)
Wilmington, Delaware

PRODUCTS:

DuPont™ DPX-MAT28 Technical herbicide
 DuPont™ DPX-KJM44 Technical herbicide
 DuPont™ DPX-KJM44 80 MUP herbicide
 DuPont™ DPX-KJM44 80XP Herbicide
 DuPont™ DPX-MAT28 240SL Herbicide
 DuPont™ DPX-MAT28 50SG Herbicide
 DuPont™ DPX-Q2B37 Herbicide
 DuPont™ DPX-Q2B38 Herbicide
 DuPont™ DPX-Q2B39 Herbicide
 DuPont™ DPX-QKJ02 Herbicide
 DuPont™ DPX-KJM44 80XP Turf Herbicide
 DuPont™ DPX-MAT28 240SL Turf Herbicide
 DuPont™ DPX-MAT28 50SG Turf Herbicide
 DuPont™ DPX-KJM44 10% Manufacturing Concentrate
 DuPont™ DPX-MAT28 10% Manufacturing Concentrate
 DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.7200, 830.7220, 830.7300	DPX-MAT28: Laboratory study of physicochemical properties for a. color b. odor c. physical state d. melting point e. boiling point/decomposition f. relative density (pai). DuPont-23196		352	Own	
830.6302, 830.6303, 830.6304, 830.7200, 830.7300	DPX-MAT28: Laboratory study of physicochemical properties for a. Color b. Odor c. Physical state d. Melting point e. Boiling point/decomposition f. Relative density g. Bulk density. DuPont-22551		352	Own	
830.6313	DPX-MAT28: Stability to normal and elevated temperatures, metals, and metal ions. DuPont-22539		352	Own	
830.6314, 830.6315, 830.6316	DPX-MAT28: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature. DuPont-22807		352	Own	
830.7000	DPX-MAT28: Laboratory study of pH. DuPont-22543		352	Own	
830.7050	DPX-MAT28: Laboratory study of UV-VIS absorption spectrum and molar absorptivity. DuPont-22536		352	Own	
830.7370	DPX-MAT28: Laboratory study of dissociation constants in water. DuPont-22555		352	Own	
830.7550	DPX-MAT28: Laboratory study of n-octanol/ water partition coefficient. DuPont-22544		352	Own	
830.7840	DPX-MAT28: Laboratory study of water solubility. DuPont-22541		352	Own	
830.7860	DPX-MAT28: Solubility in organic solvents. DuPont-22542		352	Own	
830.7950	DPX-MAT28: Laboratory study of vapour pressure. DuPont-22537		352	Own	
NA	DPX-MAT28 (PAI): Spectra (mass spectrum, infrared spectrum, and NMR). DuPont-22540		352	Own	
NA	DPX-MAT28: Volatility, calculation of Henry's law constant. DuPont-22545		352	Own	
830.1550, 830.1750	Aminocyclopyrachlor methyl ester (DPX-KJM44) identity, composition, and certified limits (Non-confidential and Confidential). DuPont-23882		352	Own	

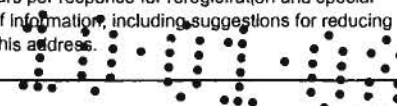
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**401 M Street, S.W.
WASHINGTON, D.C. 20460**

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.



Data Matrix

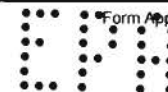
Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.1600, 830.1620, 830.1671	Technical grade aminocyclopyrachlor methyl ester (DPX-KJM44) manufacturing description and formation of impurities (Non-confidential and Confidential).		352	Own	
830.1700	Batch analysis of aminocyclopyrachlor methyl (DPX-KJM44) technical produced at the DuPont Experimental Station in Wilmington, Delaware, USA and the Albemarle Tyrone, Pennsylvania, USA manufacturing facility (Non-confidential and Confidential). DuPont-23881		352	Own	
830.1700	Batch chromatograms from the analysis of product ingredients in aminocyclopyrachlor methyl (DPX-KJM44) technical produced at the DuPont Experimental Station in Wilmington, Delaware, USA and the Albemarle Tyrone, Pennsylvania, USA manufacturing facility, Supplement 1 (Non-confidential and Confidential). DuPont-23481 SU1		352	Own	
830.1800	Determination of aminocyclopyrachlor methyl (DPX-KJM44) in technical grade aminocyclopyrachlor methyl. DuPont-22860		352	Own	
830.1700, 830.1800	Description and validation of the analytical methods for determination of impurities in technical grade aminocyclopyrachlor methyl (DPX-KJM44). DuPont-23605		352	Own	
830.1800	Validation of the Analytical Method for Determination of Aminocyclopyrachlor methyl (DPX-KJM44) in Technical Grade Aminocyclopyrachlor methyl (Non-confidential and Confidential). DuPont-23480		352	Own	
830.6302, 830.6303, 830.6304, 830.7200, 830.7220, 830.7300	DPX-KJM44: Laboratory study of physicochemical properties for a. color b. odor c. physical state d. melting point e. boiling point/decomposition f. relative density (pai). DuPont-23307		352	Own	
830.6302, 830.6303, 830.6304, 830.7300	DPX-KJM44: Laboratory study of physicochemical properties for a. color, b. odor, c. physical state, d. bulk density. DuPont-22552		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx	
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer	

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.6313	DPX-KJM44: Stability to normal and elevated temperatures, metals and metal ions. DuPont-22549		352	Own	
830.6314, 830.6315	DPX-KJM44: Laboratory Study of Explosive and Oxidizing Properties, Flammability of Solids and the Relative Self-Ignition (Autoflammability) Temperature. DuPont-22806		352	Own	
830.6316	DPX-KJM44: Laboratory study of pH. DuPont-22532		352	Own	
830.7000	DPX-KJM44: Laboratory study of UV-VIS absorption spectrum and molar absorptivity. DuPont-22546		352	Own	
830.7050	DPX-KJM44: Laboratory study of n-octanol/water partition coefficient. DuPont-22533		352	Own	
830.7550	DPX-KJM44: Laboratory study of water solubility. DuPont-22530		352	Own	
830.7840	DPX-KJM44: Solubility in organic solvents. DuPont-22531		352	Own	
830.7860	DPX-KJM44 (PAI): Laboratory study of vapour pressure. DuPont-22547		352	Own	
830.7950	DPX-KJM44 (PAI): Volatility, calculation of Henry's law constant. DuPont-22534 RV1		352	Own	
NA	DPX-KJM44 (PAI): Spectra (mass spectrum, infrared spectrum, and nmr)		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl (DPX-KJM44) 80WG (Non-confidential and Confidential), DuPont-23547		352	Own	
830.1800	Determination of aminocyclopyrachlor methyl (DPX KJM44) In aminocyclopyrachlor methyl WG end-use products. DuPont-26789		352	Own	
830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.7300,	DPX-KJM44 80WG water-dispersible granular formulation (80%): Laboratory study of physical and chemical properties. DuPont-22858		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

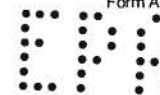
Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx	
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer	

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.1550, 830.1600, 860.1650, 830.1670, 830.1750,	Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 240SL (Non-confidential and Confidential). DuPont-22902		352	Own	
830.1800	Determination of aminocyclopyrachlor (DPX-MAT28) in aminocyclopyrachlor SL end-use products. DuPont-26787		352	Own	
830.6302, 830.6303, 830.6304, 830.6315, 830.6316, 830.7000,	DPX-MAT28 SL (21.2% active w/w) End-use product soluble concentrate formulation: Laboratory Study of physical and chemical characteristics. DuPont-22853		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor (DPX-MAT28) 50SG (Non-confidential and Confidential). DuPont-26442		352	Own	
830.1800	Determination of aminocyclopyrachlor (DPX-MAT28) in aminocyclopyrachlor (MAT28) SG end use products. DuPont-26788		352	Own	
830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6319, 830.6320, 830.6321 830.7000, 830.7100, 830.7300	DPX-MAT28 50SG water soluble granule formulation: Laboratory study of physical and chemical properties. DuPont-25694		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product DuPont™ aminocyclopyrachlor methyl (DPX-KJM44) 10% manufacturing use product (Non-confidential and Confidential). DuPont-22901		352	Own	
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	DPX-KJM44 10% MUP: Laboratory study of physicochemical properties for color, odor, physical state, relative density, bulk density, and pH. DuPont-24544		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl (DPX-KJM44) granules. DuPont-22900. DuPont-24573		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

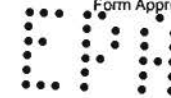
Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	DPX-KJM44 granular (fertilizer) formulation (0.06% a.i. content): Laboratory study of physical and chemical properties. DuPont-24573		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG/Sulfometuron methyl 75WG (DPX-Q2B37), a blend of water dispersible granules (42.1% + 11.9% + 23.7% active) (Non-confidential and Confidential). DuPont-25708		352	Own	
830.1800	Determination of chlorsulfuron (DPX-W4189), sulfometuron methyl (DPX-T5648), and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-Q2B37 WG end-use product: aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG/sulfometuron methyl 75WG (DPX-Q2B37), a blend of water dispersible granules (42.1% + 11.9% + 23.7% active). DuPont-24665		352	Own	
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/Chlorsulfuron 75WG/Sulfometuron Methyl 75WG (DPX Q2B37) blend of extruded water dispersible granular formulations (42.07/11.89/ 23.67% a.i. ratio): laboratory study of physical and chemical properties. DuPont-24660		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/imazapyr 75WG/metsulfuron methyl 60WG (DPX-Q2B38), a blend of water dispersible granules (28.7% + 37.3% + 8.6% active) (Non-confidential and Confidential). DuPont-25709		352	Own	
830.1800	Determination of imazapyr (DPX-A7586), metsulfuron methyl (DPX-T6376), and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-Q2B38 WG end-use product: aminocyclopyrachlor methyl 80WG/imazapyr 75WG/metsulfuron methyl 60WG (DPX-Q2B38), a blend of water dispersible granules (28.7% + 37.3% + 8.6% active). DuPont-25664		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company
(Crop Protection)

Wilmington, Delaware

PRODUCTS:

DuPont™ DPX-MAT28 Technical herbicide
DuPont™ DPX-KJM44 Technical herbicide
DuPont™ DPX-KJM44 80 MUP herbicide
DuPont™ DPX-KJM44 80XP Herbicide
DuPont™ DPX-MAT28 240SL Herbicide
DuPont™ DPX-MAT28 50SG Herbicide
DuPont™ DPX-Q2B37 Herbicide
DuPont™ DPX-Q2B38 Herbicide
DuPont™ DPX-Q2B39 Herbicide
DuPont™ DPX-QKJ02 Herbicide
DuPont™ DPX-KJM44 80XP Turf Herbicide
DuPont™ DPX-MAT28 240SL Turf Herbicide
DuPont™ DPX-MAT28 50SG Turf Herbicide
DuPont™ DPX-KJM44 10% Manufacturing Concentrate
DuPont™ DPX-MAT28 10% Manufacturing Concentrate
DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/Imazapyr 75WG/Metsulfuron Methyl 60WG (DPX-Q2B38) blend of extruded water-dispersible granular formulations (28.71/37.32/8.61% a.i. ratio): laboratory study of physical and chemical properties. DuPont-24658		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/metsulfuron methyl 60WG (DPX-Q2B39), a blend of water dispersible granules (57.1% + 17.2% active) (Non-confidential and Confidential)		352	Own	
830.1800	Determination of metsulfuron methyl (DPX-T6376) and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-Q2B39 WG end-use product: aminocyclopyrachlor methyl 80WG/metsulfuron methyl 60WG (DPX-Q2B39), a blend of water dispersible granules (57.1% + 17.2% active). DuPont-25712		352	Own	
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/ Metsulfuron Methyl 60WG (DPX Q2B39) blend of extruded water-dispersible granular formulations (57.14/17.14% a.i. ratio): laboratory study of physical and chemical properties. DuPont-25710		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product identity and composition of end-use product aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG (DPX-QKJ02), a blend of water dispersible granules (57.1% + 21.4% active) (Non-confidential and Confidential). DuPont-25716		352	Own	
830.1800	Determination of chlorsulfuron (W4189) and aminocyclopyrachlor methyl (DPX-KJM44) in DPX-QKJ02 WG end-use product: aminocyclopyrachlor methyl 80WG/chlorsulfuron 75WG (DPX-QKJ02), a blend of water dispersible granules (57.1% + 21.4% active). DuPont-24666		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company
(Crop Protection)
Wilmington, Delaware

PRODUCTS:

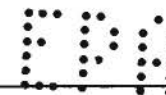
DuPont™ DPX-MAT28 Technical herbicide
DuPont™ DPX-KJM44 Technical herbicide
DuPont™ DPX-KJM44 80 MUP herbicide
DuPont™ DPX-KJM44 80XP Herbicide
DuPont™ DPX-MAT28 240SL Herbicide
DuPont™ DPX-MAT28 50SG Herbicide
DuPont™ DPX-Q2B37 Herbicide
DuPont™ DPX-Q2B38 Herbicide
DuPont™ DPX-Q2B39 Herbicide
DuPont™ DPX-QKJ02 Herbicide
DuPont™ DPX-KJM44 80XP Turf Herbicide
DuPont™ DPX-MAT28 240SL Turf Herbicide
DuPont™ DPX-MAT28 50SG Turf Herbicide
DuPont™ DPX-KJM44 10% Manufacturing Concentrate
DuPont™ DPX-MAT28 10% Manufacturing Concentrate
DuPont™ DPX-KJM44 0.064G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.05G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

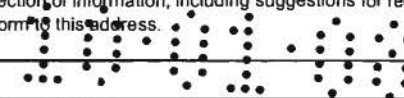
Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.7000, 830.7300	Aminocyclopyrachlor (methyl ester) 80WG/ Chlorsulfuron 75WG (DPX QKJ02) blend of extruded water-dispersible granular formulations (57.14/21.43% a.i. ratio): Laboratory study of physical and chemical properties. DuPont-24662		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) 10% Manufacturing Use Product. DuPont-26398		352	Own	
830.1550, 830.1600, 860.1650, 830.1670, 830.1750	Product Identity and Composition of End-Use Product DuPont Aminocyclopyrachlor (DPX-MAT28) Granules. DuPont-26937		352	Own	
830.1800	Determination of aminocyclopyrachlor methyl (DPX-KJM44), aminocyclopyrachlor (DPX-MAT28), imazapyr (DPX-A7586), chlorsulfuron (DPX-W4189), metsulfuron methyl (DPX-T6376), and sulfometuron methyl (DPX-T5648) in DPX-Q6H73 WG, a paste-extruded blend, end-use product: Aminocyclopyrachlor methyl 80WG/Chlorsulfuron 75WG/Sulfometuron methyl 75WG/ Metsulfuron methyl 60WG/ Imazapyr 75WG/ Aminocyclopyrachlor 50SG, a blend of water-dispersible granules (1:1:1:1:1:1). DuPont-26797		352	Own	
830.1800	Validation of the Analytical Method for Determination of Aminocyclopyrachlor Methyl (DPX-KJM44), Aminocyclopyrachlor (DPX-MAT28), Imazapyr (DPX-A7586), Chlorsulfuron (DPX-W4189), Metsulfuron Methyl (DPX-T6376), and Sulfometuron Methyl (DPX-T5648) in DPX-Q6H73 WG, a Paste-Extruded Blend, Aminocyclopyrachlor methyl (DPX KJM44) Water Dispersible Granule Formulations (WG), Aminocyclopyrachlor (DPX-MAT28) Water Soluble Granule Formulations (SG), Aminocyclopyrachlor (DPX-MAT28) Soluble Concentrate Formulations (SL) and Other End Use Products (Non-confidential and Confidential). DuPont-26105		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the forms to this address.

**Data Matrix**

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:
 E. I. DuPont de Nemours and Company
 (Crop Protection)
 Wilmington, Delaware

PRODUCTS:

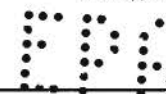
DuPont™ DPX-MAT28 Technical herbicide
 DuPont™ DPX-KJM44 Technical herbicide
 DuPont™ DPX-KJM44 80 MUP herbicide
 DuPont™ DPX-KJM44 80XP Herbicide
 DuPont™ DPX-MAT28 240SL Herbicide
 DuPont™ DPX-MAT28 50SG Herbicide
 DuPont™ DPX-Q2B37 Herbicide
 DuPont™ DPX-Q2B38 Herbicide
 DuPont™ DPX-Q2B39 Herbicide
 DuPont™ DPX-QKJ02 Herbicide
 DuPont™ DPX-KJM44 80XP Turf Herbicide
 DuPont™ DPX-MAT28 240SL Turf Herbicide
 DuPont™ DPX-MAT28 50SG Turf Herbicide
 DuPont™ DPX-KJM44 10% Manufacturing Concentrate
 DuPont™ DPX-MAT28 10% Manufacturing Concentrate
 DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
870.1100	DPX-MAT28 Technical: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure. DuPont-22371		352	Own	
870.1200	DPX-MAT28 Technical: Acute Dermal Toxicity Study in Rats. DuPont-22370		352	Own	
870.1300	DPX-MAT28 Technical: Inhalation Median Lethal Concentration (LC50) Study in Rats. DuPont-22373		352	Own	
870.2400	DPX-MAT28 Technical: Acute Eye Irritation Study in Rabbits. DuPont-22372		352	Own	
870.2500	DPX-MAT28 Technical: Acute Dermal Irritation Study in Rabbits. DuPont-22369		352	Own	
870.2600	DPX-MAT28 Technical: Local Lymph Node Assay (LLNA) in Mice. DuPont-22374		352	Own	
870.6200	DPX-MAT28 Technical: Acute neurotoxicity test waiver. DuPont-26828		352	Own	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in rats (2 volumes). Dupont-21490		352	Own	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in rats, Supplement 1. Dupont-21490 SU1		352	Own	
870.3100	DPX-KJM44 technical: Subchronic toxicity 90 day feeding study in rats (3 volumes). Dupont-22570		352	Own	
870.3100	DPX-KJM44 technical: Subchronic toxicity 90 day feeding study in rats. Supplement 1. Dupont-22570 SU1		352	Own	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in mice (2 volumes). DuPont-21491		352	Own	
870.3100	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in mice, Supplement 1. DuPont-21491 SU1		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
870.3150	DPX-MAT28 technical: Subchronic toxicity 90-day feeding study in dog (3 volumes). DuPont-21489 RV1		352	Own	
870.3150	DPX-MAT28 technical: Subchronic toxicity 90 day feeding study in dogs, Supplement 1. DuPont-21489 SU1		352	Own	
870.3200	DPX-MAT28 Technical: Dermal toxicity study (28 day repeat dermal application study in rats). DuPont-22796		352	Own	
870.3700	A prenatal developmental toxicity study of DPX-MAT28 in rabbits (2 volumes). DuPont-22377 RV2		352	Own	
870.3700	DPX-MAT28 Technical: Developmental Toxicity Study in Rats (2 volumes). DuPont-22378		352	Own	
870.3800	DPX-MAT28 Technical: Multi-generation Reproduction Study in Rats (7 volumes). DuPont-22032 RV1		352	Own	
870.3800	IN-KJM44: One-generation reproduction study in rats (3 volumes). DuPont-17315		352	Own	
870.5100	DPX-MAT28 Technical: Bacterial Reverse Mutation Assay. DuPont-22712		352	Own	
870.5300	DPX-MAT28 Technical: In Vitro Mammalian Cell Gene Mutation Test, DuPont-22714		352	Own	
870.5375	DPX-MAT28 Technical: In Vitro Mammalian Chromosome Aberration. DuPont-22709		352	Own	
870.5395	DPX-MAT28 Technical: Mouse Bone Marrow Erythrocyte Micronucleus Test. DuPont-22711		352	Own	
870.7485	14C-DPX-MAT28: Plasma pharmacokinetics and pilot material balance in male and female rats. DuPont-22033		352	Own	
870.7486	14C-DPX-KJM44: Plasma pharmacokinetics and pilot material balance in male and female rats. DuPont-22375		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
870.7800	DPX MAT28 Technical: 28-Day immunotoxicity feeding study in male rats. DuPont-22794		352	Own	
870.7800	DPX MAT28 Technical: 28-Day immunotoxicity feeding study in male mice. DuPont-22795		352	Own	
870.1100	DPX-KJM44 Technical : Acute Oral Toxicity Study in Rats - Up-and-Down Procedure. DuPont-22950		352	Own	
870.1200	DPX-KJM44 Technical: Acute Dermal Toxicity Study in Rats. DuPont-22951 RV1		352	Own	
870.1300	DPX-KJM44 Technical: Acute inhalation toxicology test waiver. DuPont-26475		352	Own	
870.2400	DPX-KJM44 Technical: Acute Eye Irritation Study in Rabbits. DuPont-26475		352	Own	
870.2500	DPX-KJM44 Technical: Acute Dermal Irritation Study in Rabbits. DuPont-22952, RV1		352	Own	
870.2600	DPX-KJM44 Technical: Local Lymph Node Assay (LLNA) in Mice. DuPont-23436		352	Own	
870.5100	IN-KJM44: Bacterial reverse mutation test. DuPont-17971		352	Own	
870.1100	DPX-KJM44 80WG: Acute Oral Toxicity Study in Rats - Up-and-Down Procedure. DuPont-23033		352	Own	
870.1200	DPX-KJM44 80WG: Acute Dermal Toxicity Study in Rats. DuPont-23032		352	Own	
870.1300	DPX-KJM44 80WG: Acute inhalation toxicology test waiver. DuPont-26473		352	Own	
870.2400	DPX-KJM44 80WG: Acute Eye Irritation Study in Rabbits. DuPont-23034		352	Own	
870.2500	DPX-KJM44 80WG: Acute Dermal Irritation Study in Rabbits. DuPont-23031		352	Own	
870.2600	DPX-KJM44 80WG: Local Lymph Node Assay (LLNA) in Mice. DuPont-23035		352	Own	
870.1100	DPX-MAT28 240 g/L SL: Acute oral toxicity study in rats - up-and-down procedure. DuPont-22787		352	Own	
870.1200	DPX-MAT28 240 g/L SL: Acute Dermal Toxicity Study in Rat. DuPont-23692		352	Own	
870.1300	Acute inhalation toxicity study of DPX-MAT28 21.9SL in albino rats. DuPont-22791		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of Information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:
E. I. DuPont de Nemours and Company
(Crop Protection)
Wilmington, Delaware

PRODUCTS:

DuPont™ DPX-MAT28 Technical herbicide
 DuPont™ DPX-KJM44 Technical herbicide
 DuPont™ DPX-KJM44 80 MUP herbicide
 DuPont™ DPX-KJM44 80XP Herbicide
 DuPont™ DPX-MAT28 240SL Herbicide
 DuPont™ DPX-MAT28 50SG Herbicide
 DuPont™ DPX-Q2B37 Herbicide
 DuPont™ DPX-Q2B38 Herbicide
 DuPont™ DPX-Q2B39 Herbicide
 DuPont™ DPX-QKJ02 Herbicide
 DuPont™ DPX-KJM44 80XP Turf Herbicide
 DuPont™ DPX-MAT28 240SL Turf Herbicide
 DuPont™ DPX-MAT28 50SG Turf Herbicide
 DuPont™ DPX-KJM44 10% Manufacturing Concentrate
 DuPont™ DPX-MAT28 10% Manufacturing Concentrate
 DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
870.2400	DPX-MAT28 240 g/L SL: Acute Eye Irritation Study in Rabbits. DuPont-22789		352	Own	
870.2500	DPX-MAT28 240 g/L SL: Acute Dermal Irritation Study in Rabbits. DuPont-23693		352	Own	
870.2600	DPX-MAT28 240 g/L SL: Local Lymph Node Assay (LLNA) in Mice. DuPont-22788		352	Own	
830.1750	Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Dermal Toxicity in Rats. DuPont-25700		352	Own	
870.1300	DPX-MAT28 50SG: Acute inhalation toxicology test waiver. DuPont-26474		352	Own	
870.2400	Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Eye Irritation in Rabbits. DuPont-25701		352	Own	
870.2500	Aminocyclopyrachlor (DPX-MAT28) 50SG: Primary Skin Irritation in Rabbits. DuPont-25702		352	Own	
870.2600	Aminocyclopyrachlor (DPX-MAT28) 50SG: Local lymph node assay (LLNA) in mice. DuPont-25703		352	Own	
830.1670,	Aminocyclopyrachlor (DPX-MAT28) 50SG: Acute Oral Toxicity - Up-And-Down Procedure in Rats. DuPont-25699		352	Own	
870.1100	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Oral Toxicity - Up-And-Down Procedure in Rats. DuPont-24511		352	Own	
870.1200	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Acute Dermal Toxicity in Rats. DuPont-24510		352	Own	
870.1300	DPX-KJM44 10 MUP: Acute inhalation toxicology waiver for DPX-KJM44 manufacturing use product. DuPont-24835		352	Own	
870.2400	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Primary Eye Irritation in Rabbits. DuPont-24508		352	Own	
870.2500	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK Manufacturing Use Product: Primary Skin Irritation in Rabbits. DuPont-24509		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:
E. I. DuPont de Nemours and Company
(Crop Protection)
Wilmington, Delaware

PRODUCTS:

DuPont™ DPX-MAT28 Technical herbicide
DuPont™ DPX-KJM44 Technical herbicide
DuPont™ DPX-KJM44 80 MUP herbicide
DuPont™ DPX-KJM44 80XP Herbicide
DuPont™ DPX-MAT28 240SL Herbicide
DuPont™ DPX-MAT28 50SG Herbicide
DuPont™ DPX-Q2B37 Herbicide
DuPont™ DPX-Q2B38 Herbicide
DuPont™ DPX-Q2B39 Herbicide
DuPont™ DPX-QKJ02 Herbicide
DuPont™ DPX-KJM44 80XP Turf Herbicide
DuPont™ DPX-MAT28 240SL Turf Herbicide
DuPont™ DPX-MAT28 50SG Turf Herbicide
DuPont™ DPX-KJM44 10% Manufacturing Concentrate
DuPont™ DPX-MAT28 10% Manufacturing Concentrate
DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
870.2600	Aminocyclopyrachlor methyl (DPX-KJM44) 10TK manufacturing use product: Local lymph node assay (LLNA) in mice. DuPont-24507		352	Own	
850.2100	DPX-MAT28 Technical: An Acute Oral Toxicity Study with the Northern Bobwhite. DuPont-22031		352	Own	
850.2200	DPX-MAT28 Technical: A Dietary LC50 Study with the Mallard. DuPont-22380		352	Own	
850.2200	DPX-MAT28 Technical: A Dietary LC50 Study with the Northern Bobwhite. DuPont-22381		352	Own	
850.2300, (71-4)	DPX-MAT28 Technical: A reproduction study with the northern bobwhite. DuPont-22524		352	Own	
850.2300, (71-4)	DPX-MAT28 Technical: A reproduction study with the mallard. DuPont-22422		352	Own	
850.1075	DPX-MAT28 technical A 96-hour static acute toxicity test with the rainbow trout (Oncorhynchus mykiss). Dupont-22383		352	Own	
850.1075	DPX-MAT28 technical: A 96-hour static acute toxicity test with the bluegill (Lepomis macrochirus). DuPont-22384		352	Own	
850.1075	DPX-MAT28 Technical: A 96 hour static acute toxicity test with the sheepshead minnow (Cyprinodon variegatus). DuPont-22385		352	Own	
850.1010	DPX-MAT28 technical A 48-hour static acute toxicity test with the cladoceran (Daphnia magna). DuPont-22415		352	Own	
850.1025	DPX-MAT28 technical A 96-hour shell deposition test with the eastern oyster (Crassostrea virginica). DuPont-22707		352	Own	
850.1035	DPX-MAT28 Technical: A 96 hour static acute toxicity test with the saltwater mysid (Americamysis bahia). DuPont-22417		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:

E. I. DuPont de Nemours and Company
(Crop Protection)
Wilmington, Delaware

PRODUCTS:

DuPont™ DPX-MAT28 Technical herbicide
DuPont™ DPX-KJM44 Technical herbicide
DuPont™ DPX-KJM44 80 MUP herbicide
DuPont™ DPX-KJM44 80XP Herbicide
DuPont™ DPX-MAT28 240SL Herbicide
DuPont™ DPX-MAT28 50SG Herbicide
DuPont™ DPX-Q2B37 Herbicide
DuPont™ DPX-Q2B38 Herbicide
DuPont™ DPX-Q2B39 Herbicide
DuPont™ DPX-QKJ02 Herbicide
DuPont™ DPX-KJM44 80XP Turf Herbicide
DuPont™ DPX-MAT28 240SL Turf Herbicide
DuPont™ DPX-MAT28 50SG Turf Herbicide
DuPont™ DPX-KJM44 10% Manufacturing Concentrate
DuPont™ DPX-MAT28 10% Manufacturing Concentrate
DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
850.1300	DPX-MAT28 Technical: A Semi-Static Life-Cycle Toxicity Test with the Cladoceran <i>Daphnia magna</i> . DuPont-22708		352	Own	
850.1400	DPX-MAT28 Technical: An early life-stage toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>). DuPont-22706		352	Own	
850.3020	DPX-MAT28 technical: Acute oral and contact toxicity to the honey bee, <i>Apis mellifera</i> L. DuPont-22413		352	Own	
850.4100 (122-1), 850.4200 (123-1)	DPX-KJM44 80WG: A greenhouse study to investigate the effects on seedling emergence and growth of ten terrestrial plants following soil exposure. DuPont-22802		352	Own	
850.4150 (122-1), 850.4250 (123-1)	DPX-KJM44 80WG: A greenhouse study to investigate the effects on vegetative vigor of ten terrestrial plants. DuPont-22801 RV1		352	Own	
850.4400	DPX-MAT28 Technical: A 7-day static-renewal toxicity test with duckweed (<i>Lemna gibba</i> G3). DuPont-22412		352	Own	
850.5400	DPX-MAT28 Technical: A 96-hour toxicity test with the freshwater alga (<i>Anabena flos-aquae</i>). DuPont-22408		352	Own	
850.5400	DPX-MAT28 Technical: A 96-hour toxicity test with the marine diatom (<i>Skeletonema costatum</i>). DuPont-22409		352	Own	
850.5400	DPX-MAT28 Technical: A 72-hour toxicity test with the freshwater alga (<i>Pseudokirchneriella subcapitata</i>). DuPont-22410 RV1		352	Own	
850.5400	DPX-MAT28 Technical: A 96-hour toxicity test with the freshwater diatom (<i>Navicula pelliculosa</i>). DuPont-22411		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
850.2100	DPX-KJM44 Technical: An acute oral toxicity study with the northern bobwhite (<i>Colinus virginianus</i>). DuPont-22800		352	Own	
850.1075	DPX-KJM44 technical: A 96-hour static-renewal acute toxicity test with the rainbow trout (<i>Oncorhynchus mykiss</i>). DuPont-22793		352	Own	
850.1010	DPX-KJM44 Technical: A 48-hour static-renewal acute toxicity test with the cladoceran (<i>Daphnia magna</i>). DuPont-22416		352	Own	
NA	DPX-KJM44 Technical: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil. DuPont-22418		352	Own	
875.2000, 875.2100	Dissipation of turf transferable residues of DPX-KJM44 and IN-MAT28 following a single application of DPX-KJM44 80 WDG to turf. Dupont-22432		352	Own	
835.2120, 161-1	14C-DPX-MAT28: Laboratory study of hydrolysis as a function of pH. DuPont-22116		352	Own	
835.2240	Photodegradation of [Pyrimidine-2-14C]DPX-MAT28 in pH 4 Buffer and Natural Water by Simulated Sunlight, Revision 1. DuPont-22117 RV1		352	Own	
835.2240	Photodegradation of [Pyrimidine-2-14C]DPX-KJM44 in pH 4 Buffer by Simulated Sunlight. DuPont-23455		352	Own	
835.2410, 161-3	Photodegradation of [pyrimidine-2-14C]DPX-MAT28 on soil. DuPont-22118		352	Own	
835.4100	Aerobic Soil Metabolism of DPX-KJM44 (DPX-MAT28 Methyl Ester) in Soil. DuPont-22435		352	Own	
835.4200, 162-2	Anaerobic soil metabolism of [14C]-DPX-MAT28. DuPont-22436		352	Own	
835.5300, 162-4	Aerobic aquatic metabolism of [Pyrimidine-2-14C]-DPX-MAT28 in two water/sediment systems. DuPont-22115		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send this form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
835.4400 162-3	Anaerobic aquatic metabolism of [Pyrimidine-2-14C]-DPX-MAT28 in a water/sediment system. DuPont-22114		352	Own	
835.1230, 163-1	14C-DPX-KJM44: Batch equilibrium (adsorption/desorption) in five soils. DuPont-22368		352	Own	
835.1230, 163-1	14C-DPX-MAT28: batch equilibrium (adsorption/desorption) in five soils. DuPont-22433		352	Own	
835.1230, 163-1	Screening of soils for adsorption / desorption characteristics of 14C-DPX-MAT28. DuPont-25432		352	Own	
NA	Rate of degradation of [14C]-DPX-MAT28 in three aerobic soils. DuPont-22119		352	Own	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 on Turf in Georgia, U.S.A. DuPont-22526 RV2		352	Own	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Turf in Ontario, Canada. DuPont-22529 RV1		352	Own	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in Ontario, Canada. DuPont-22527 IM		352	Own	
835.6100	Terrestrial Field Dissipation of DPX-MAT28 Herbicide Applied as DPX KJM44 (Methyl Ester) on Bare Soil in California, USA. DuPont-22528 IM		352	Own	
850.7100	Analytical method for the determination of DPX-KJM44, DPX-MAT28, and metabolite in soil using LC/MS/MS. DuPont-22043 RV1		352	Own	
850.7100	Analytical Method for the Determination of DPX-KJM44, DPX MAT28, IN-LXT69 and IN-QFH57 in Soil Using LC/MS/MS, Supplement 1. DuPont-22043 SU1		352	Own	
850.7100	Analytical Method for the Determination and Monitoring of DPX MAT28, DPX-KJM44 and IN-LXT69 in Soil Using LC/MS/MS. DuPont-24809		352	Own	

106

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of Information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008		EPA Reg No./File Symbol: 352-xxx
Applicant's / Registrant's Name & Address: E. I. DuPont de Nemours and Company (Crop Protection) Wilmington, Delaware	PRODUCTS: DuPont™ DPX-MAT28 Technical herbicide DuPont™ DPX-KJM44 Technical herbicide DuPont™ DPX-KJM44 80 MUP herbicide DuPont™ DPX-KJM44 80XP Herbicide DuPont™ DPX-MAT28 240SL Herbicide DuPont™ DPX-MAT28 50SG Herbicide DuPont™ DPX-Q2B37 Herbicide DuPont™ DPX-Q2B38 Herbicide DuPont™ DPX-Q2B39 Herbicide DuPont™ DPX-QKJ02 Herbicide DuPont™ DPX-KJM44 80XP Turf Herbicide DuPont™ DPX-MAT28 240SL Turf Herbicide DuPont™ DPX-MAT28 50SG Turf Herbicide DuPont™ DPX-KJM44 10% Manufacturing Concentrate DuPont™ DPX-MAT28 10% Manufacturing Concentrate DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer	DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
850.7100	Analytical Method for the Determination of DPX-KJM44, DPX MAT28, and Metabolite in Turf Using LC/MS/MS. DuPont-22584		352	Own	
850.7100	Analytical Method for the Determination of DPX-KJM44, DPX MAT28, IN-LXT69, and IN-QFH57 in Water Using LC/MS/MS, DuPont-22042		352	Own	
850.7100	Bridging of Extraction Efficiency of DPX-KJM44 (Methyl Ester of DPX-MAT28) and Degradation Products from Extraction Procedures Described in DuPont-22043 and DuPont-22435		352	Own	
NA	Analytical Method for the Determination of DPX-KJM44 (Methyl Ester of DPX-MAT28) and IN-LXT69 in Charcoal Air Sampling Tubes Using LC-MS/MS. DuPont-23735		352	Own	
850.7100	Independent laboratory validation of analytical method DuPont-22043 for the determination of DPX-KJM44, DPX-MAT28, IN-LXT69 and IN-QFH57 in soil using LC-MS/MS. DuPont-24563		352	Own	
860.1340	Analytical method for the determination of DPX-KJM44 and DPX-MAT28 in cloth using LC/MS/MS. DuPont-22768		352	Own	
NA	Analytical Method Verification and Determination of the Solubility and Stability of DPX-MAT28 in Freshwater, Saltwater and 20XAAP Media. DuPont-22601		352	Own	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317, 830.6320, 830.7000, 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. SS-200		352	Own	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460



Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Data Matrix

Date: September 29, 2008

EPA Reg No./File Symbol:
352-xxx

Applicant's / Registrant's Name & Address:
E. I. DuPont de Nemours and Company
(Crop Protection)
Wilmington, Delaware

PRODUCTS:

DuPont™ DPX-MAT28 Technical herbicide
 DuPont™ DPX-KJM44 Technical herbicide
 DuPont™ DPX-KJM44 80 MUP herbicide
 DuPont™ DPX-KJM44 80XP Herbicide
 DuPont™ DPX-MAT28 240SL Herbicide
 DuPont™ DPX-MAT28 50SG Herbicide
 DuPont™ DPX-Q2B37 Herbicide
 DuPont™ DPX-Q2B38 Herbicide
 DuPont™ DPX-Q2B39 Herbicide
 DuPont™ DPX-QKJ02 Herbicide
 DuPont™ DPX-KJM44 80XP Turf Herbicide
 DuPont™ DPX-MAT28 240SL Turf Herbicide
 DuPont™ DPX-MAT28 50SG Turf Herbicide
 DuPont™ DPX-KJM44 10% Manufacturing Concentrate
 DuPont™ DPX-MAT28 10% Manufacturing Concentrate
 DuPont™ DPX-KJM440.064G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Turf Herbicide + Fertilizer

DuPont™ DPX-KJM44 0.032G Turf Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.073G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.065G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.059G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.053G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.049G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.039G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.037G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.033G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.03G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.027G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.024G Lawn Herbicide + Fertilizer
 DuPont™ DPX-KJM44 0.02G Lawn Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.06G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT280.05G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.03G Turf Herbicide + Fertilizer
 DuPont™ DPX-MAT28 0.068G Lawn Herbicide + Fertilizer

Ingredient: Aminocyclopyrachlor (DPX-MAT28)

Guideline Reference Number	Guideline Study Name:	MRID Number	Submitter	Status	Note
830.6302, 830.6303, 830.6304, 830.6314, 830.6317, 830.6320, 830.7000, 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. SS-189		352	Own	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317, 830.6320, 830.7000, 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. SS-192		352	Own	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317, 830.6320, 830.7000, 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. SS-193		352	Own	
830.6302, 830.6303, 830.6304, 830.6314, 830.6317, 830.6320, 830.7000, 830.7300	Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Bulk Density, Corrosion and Storage Stability. SS-196		352	Own	
870.2400	Primary Eye Irritation Study in Rabbits. 25921		352	Own	



United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

XXXXXX

Application for Pesticide - Section I

1. Company/Product Number 352-xxx	2. EPA Product Manager James A. Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DuPont™ DPX-MAT28 240SL Turf Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) E. I. du Pont de Nemours & Company Crop Protection, P. O. Box 30 Newark, DE 19714-0030 Attention: S. K. Theodorakis <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

* Application for Registration of an end-use product containing a previously unregistered active ingredient

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container Various	
		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name S. K. Theodorakis	Title Product Registration Manager	Telephone No. (Include Area Code) (302) 451-0829
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		8. Date Application Received (Stamped)
2. Signature 	3. Title Product Registration Manager	
4. Typed Name S. K. Theodorakis	5. Date 9-29-08	

